



TRINITY VALLEY COMMUNITY COLLEGE

ATHENS | KAUFMAN | PALESTINE | TERRELL

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2019-2020  
Learning Enhancement  
Annual Plans (LEAPs)

Program Name: AAS - Associate Degree Nursing & Transition Programs (Health Occupations)

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

RNSG 1125 Professional Nursing Concepts I  
RNSG 1430 Health Care Concepts I

### 1.1 Division-Department

Health Occupations

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation
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### 1.4 Measured Outcome

Safety

#### 1.4.1 Student Learning Outcomes

By the end of Level I, the student will be able to apply principles of safety when caring for clients/families across the lifespan that have the key exemplars covered during the semester.

#### 1.4.2 Learning Activities

Implement concept-based curriculum for Level I in class, skills and clinical, incorporating interactive class activities, simulation, Elsevier Adaptive Quizzing, Canvas resources, and EHR Tutor with emphasis on safety.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation
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#### 1.4.4 Measure of Success

Forty-five percent of the students will score at 850 or higher on the Safety section of the HESI Texas Concept-Based Curriculum Custom Exam for Level I. 850 is the acceptable level standard for this test.

## 1.5 Measured Outcome

Clinical Judgment

### 1.5.1 Student Learning Outcomes

By the end of Level I, the student will be able to apply principles of clinical judgment when caring for clients/families across the lifespan that have the key exemplars covered during the semester.

### 1.5.2 Learning Activities

Implement concept-based curriculum for Level I in class, skills and clinical, incorporating interactive class activities, simulation, Elsevier Adaptive Quizzing on-line, Canvas resources, and EHR Tutor with emphasis on clinical judgment.

### 1.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.5.4 Measure of Success

Forty-five percent of the students will score at 850 or higher on the Clinical Judgment section of the HESI Texas Concept-Based Curriculum Custom Exam for Level I. 850 is the acceptable level standard for this test.

## 2 Course

RNSG 1533 Health Care Concepts II  
RNSG 1126 Professional Nursing Concepts II

### 2.1 Division-Department

Health Occupations

### 2.2 Course Type

WECM Course (nonTransfer)

### 2.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

*General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills (CE): Students will be able to demonstrate academic

Career Entry Skills skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

## 2.4 Measured Outcome

Clinical Judgment

### 2.4.1 Student Learning Outcomes

By the end of Level II, the student will be able to apply principles of clinical judgment and a systematic problem-solving approach when caring for clients/families across the lifespan with common health care needs

### 2.4.2 Learning Activities

Implement concept-based curriculum for Level I and II in class, skills and clinical, incorporating interactive class activities, simulation, Elsevier Adaptive Quizzing, Canvas resources, HESI Remediation from Level I, and EHR Tutor with emphasis on clinical judgement.

### 2.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation
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### 2.4.4 Measure of Success

Fifty percent of the students will score at 850 or higher on the Clinical Judgment section of the HESI Texas Concept-Based Curriculum Custom Exam for Level II. 850 is the acceptable level standard for this test.

## 2.5 Measured Outcome

Nursing Process

### 2.5.1 Student Learning Outcomes

By the end of Level II, the student will be able to apply the nursing process to provide safe nursing care for diverse simulated clients/families experiencing common health care problems.

### 2.5.2 Learning Activities

Implement concept-based curriculum for Level I and II in class, skills and clinical, incorporating interactive class activities, simulation, Elsevier Adaptive Quizzing, Canvas resources, HESI Remediation from Level I and EHR Tutor with emphasis on safety and nursing process.

### 2.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*General Outcomes Links*

<b>General</b>	General
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<b>Education (Use for LEAPs)</b>	Education Outcomes
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Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 2.5.4 Measure of Success

Fifty percent of the students will score at 850 or higher on the five areas of the Nursing Process section and the Safe/Effective Care Environment section of the HESI Texas Concept-Based Curriculum Custom Exam for Level II. 850 is the acceptable level standard for this test.

### 2.6 Measured Outcome

Physiologic Integrity

#### 2.6.1 Student Learning Outcomes

By the end of Level II, the student will be able to promote physical health and wellness by providing care and comfort, reducing client risk potential, and managing health alterations for clients with common health problems (physiological integrity).

#### 2.6.2 Learning Activities

Implement concept-based curriculum for Level I and II in class, skills and clinical, incorporating interactive class activities, simulation, Elsevier Adaptive Quizzing, Canvas resources, HESI Remediation from Level I and EHR Tutor.

#### 2.6.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 2.6.4 Measure of Success

Fifty percent of the students will score at 850 or higher on the Physiological Integrity section of the HESI Texas Concept-Based Curriculum Custom Exam for Level II. 850 is the acceptable level standard for this test.

### 3 Course

RNSG 1538 Health Care Concepts III

RNSG 1137 Professional Nursing Concepts III

#### 3.1 Division-Department

Health Occupations

#### 3.2 Course Type

WECM Course (nonTransfer)

### 3.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### 3.4 Measured Outcome

Safety

##### 3.4.1 Student Learning Outcomes

By the end of Level III, the student will be able to demonstrate the ability to make safe and ethical collaborative clinical decisions for diverse clients/groups of clients.

##### 3.4.2 Learning Activities

Implement concept-based curriculum for Level III in class, skills and clinical, incorporating interactive class activities, simulation, Elsevier Adaptive Quizzing, Canvas resources and Sim Chart.

##### 3.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

##### 3.4.4 Measure of Success

Fifty-five percent of the students will score at 850 or higher on the Safe/Effective Care section of the HESI Texas Concept-Based Curriculum Custom Exam for Level III. 850 is the acceptable level standard for this test.

#### 3.5 Measured Outcome

Clinical Judgment

##### 3.5.1 Student Learning Outcomes

By the end of Level III, the student will be able to use a systematic problem-solving process and clinical judgment skills in the care of patients with selected exemplars for concepts covered this semester.

##### 3.5.2 Learning Activities

Implement concept-based curriculum for Level III in class, skills and clinical, incorporating interactive class activities, simulation, Elsevier Adaptive Quizzing, Canvas resources, HESI Remediation and EHR.

##### 3.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*General Outcomes Links*

**General  
Education**      General  
Education

**(Use for LEAPs)**      Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 3.5.4 Measure of Success

Fifty-five percent of the students will score at 850 or higher on the Clinical Judgment section of the HESI Texas Concept-Based Curriculum Custom Exam for Level III. 850 is the acceptable level standard for this test.

## 3.6 Measured Outcome

Physiological Integrity

### 3.6.1 Student Learning Outcomes

By the end of Level III, the student will be able to promote physical health and wellness by providing care and comfort, reducing client risk potential, and managing health alterations for clients with health care problems that are hard to predict (physiological integrity).

### 3.6.2 Learning Activities

Implement concept-based curriculum for Level III in class, skills and clinical, incorporating interactive class activities, simulation, HESI Remediation, Canvas resources, Elsevier Adaptive Quizzing, and EHR.

### 3.6.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*General Outcomes Links*

**General Education (Use for LEAPs)**      General Education Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 3.6.4 Measure of Success

Fifty-five percent of the students will score at 850 or higher on the Physiologic Integrity section of the HESI Texas Concept-Based Curriculum Custom Exam for Level I. 850 is the acceptable level standard for this test.

## 4 Course

RNSG 2539 Health Care Concepts IV  
RNSG 2138 Professional Nursing Concepts IV

### 4.1 Division-Department

Health Occupations

### 4.2 Course Type

WECM Course (nonTransfer)

### 4.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General Education (Use for LEAPs)**      General Education Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 4.4 Measured Outcome

Clinical Judgment & Safety

#### 4.4.1 Student Learning Outcomes

By the end of the program, the student will be able to demonstrate the ability to utilize critical thinking skills to make safe and ethical clinical decisions.

#### 4.4.2 Learning Activities

Implement the entire curriculum in class, skills and clinical, incorporating interactive class activities, simulation, Canvas resources, HESI Remediation, Elsevier Adaptive Quizzing, and EHR.

#### 4.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General Education (Use for LEAPs)**      General Education Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 4.4.4 Measure of Success

Sixty percent of the students will score at 850 or higher on the Safe/Effective Care and Clinical Judgment sections of the HESI Exit Exam. 850 is the acceptable level standard for this national test.

### 4.5 Measured Outcome

Nursing Process

#### 4.5.1 Student Learning Outcomes

By the end of the program, the student will be able to develop and implement a plan of care for the diverse client/family across the lifespan with complex health care needs in a variety of settings.

#### 4.5.2 Learning Activities

Implement the entire curriculum in class, skills and clinical, incorporating interactive class activities, simulation, Elsevier Adaptive Quizzing, and EHR.

#### 4.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

**General Education (Use for LEAPs)**      General Education Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 4.5.4 Measure of Success

Sixty percent of the students will score at 850 or higher on the five areas of the Nursing Process sections on the HESI Exit Exam. 850 is the acceptable level standard for this national test.

### 4.6 Measured Outcome

Physiological Integrity

#### 4.6.1 Student Learning Outcomes

By the end of the program, the student will be able to promote physical health and wellness by providing care and comfort, reducing client risk potential, and managing health alterations for clients with complex health care problems (physiological integrity).

#### 4.6.2 Learning Activities

Implement the entire curriculum in class, skills and clinical, incorporating interactive class activities, simulation, HESI Remediation, Elsevier Adaptive Quizzing, and EHR.

#### 4.6.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

**General Education (Use for LEAPs)**      General Education Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 4.6.4 Measure of Success

Sixty percent of the students will score at 850 or higher on the Physiological Integrity section on the HESI Exit Exam at the end of Level IV. 850 is the minimum acceptable level of success for this national exam.

## 5 Course

Pre-Nursing Activities

### 5.1 Division-Department

Health Occupations

## 5.2 Course Type

WECM Course (nonTransfer)

## 5.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

## 5.4 Measured Outcome

Reading Skills

### 5.4.1 Student Learning Outcomes

By the end of the Summer before starting the nursing program, the student will have increased reading proficiency skills enough to negate the risk from having low reading scores on the HESI entrance exam.

### 5.4.2 Learning Activities

Continue Scheduled Summer Learning Lab sessions on reading the nursing textbooks, reading skills, study skills, using the syllabus, and test-taking skills. For all incoming students who did not pass the HESI A2 entrance test (79) in reading the first time, they will do at least 4 hours a week over the summer in the Weaver Reading program.

### 5.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 5.4.4 Measure of Success

The students who complete the reading program will have a retention rate at the end of the first year that will be within 5% of the retention of the rest of the students.

Program Name: AAS/Certificate - Emergency Medical Technology/Technician (EMT Paramedic)

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

EMSP 1501 - Emergency Medical Technology

### 1.1 Division-Department

Health Occupations

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

Cardiology

#### 1.4.1 Student Learning Outcomes

By the end of the Emergency Medical Technology course, the student will be able to demonstrate a working knowledge of clinical information and related topics relevant to the practice of pre-hospital personnel at the EMT Basic level in cardiac management.

#### 1.4.2 Learning Activities

Implement the curriculum related to cardiac assessment and management in class and skills. Use MyBrady Lab, on-line resource, to get the students engaged and keep them accountable.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 1.4.4 Measure of Success

At least 50% of the students taking the National Registry Exam at the EMT Basic level will score at or

above the passing level on the Cardiology section. The National Registry Exam results show the numbers above passing in each topic area. The standard is set by the National Registry.

## 1.5 Measured Outcome

Airway

### 1.5.1 Student Learning Outcomes

By the end of the Emergency Medical Technology course, the student will be able to demonstrate a working knowledge of clinical information and related topics relevant to the practice of pre-hospital personnel at the EMT Basic level in airway management.

### 1.5.2 Learning Activities

Implement the curriculum related to airway assessment and management in class and skills. Use MyBrady Lab, on-line resource, to get the students engaged and keep them accountable.

### 1.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**

General  
Education  
Outcomes

Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation
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### 1.5.4 Measure of Success

At least 50% of the students taking the National Registry Exam for the EMT Basic level will score at or above the passing level on the Airway section. The National Registry Exam results show the numbers above passing in each topic area. The standard is set by the National Registry.

## 2 Course

EMSP 1356 - Patient Assessment and Airway Management

### 2.1 Division-Department

Health Occupations

### 2.2 Course Type

WECM Course (nonTransfer)

### 2.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

*General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**

General  
Education  
Outcomes

Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain
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entry-level employment in a target occupation

## 2.4 Measured Outcome

Airway Management

### 2.4.1 Student Learning Outcomes

By the end of the program, the student will be able to demonstrate knowledge and skills required for airway management.

### 2.4.2 Learning Activities

Implement the curriculum related to airway management in class, skills and clinical, incorporating all appropriate Department of Transportation objectives and including the changes made as a result of the last evaluation of LEAPs. Use MyBrady Lab, on-line resource, to get the students engaged and keep them accountable.

### 2.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 2.4.4 Measure of Success

At least 60% of the students taking the Platinum final exam for paramedics in the last semester of the paramedic program will score at or above 75% on the Airway Management section (using the cut score).

## 3 Course

EMSP 1355 Trauma Management

### 3.1 Division-Department

Health Occupations

### 3.2 Course Type

WECM Course (nonTransfer)

### 3.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain

entry-level employment in a target occupation

### 3.4 Measured Outcome

Trauma

#### 3.4.1 Student Learning Outcomes

By the end of the program, the student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for the trauma patient.

#### 3.4.2 Learning Activities

Implement the curriculum related to trauma patients in class, skills and clinical, incorporating all appropriate Department of Transportation objectives and including changes made after the last evaluation of LEAPs. Use MyBrady Lab, on-line resource, to get the students engaged and keep them accountable.

#### 3.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation
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#### 3.4.4 Measure of Success

At least 60% of the students taking the Platinum Exit exam for Paramedics in the last semester of the paramedic program will score 75% or higher on the Trauma Section (using the Cut Score).

## 4 Course

EMSP 2434 Medical Emergencies

### 4.1 Division-Department

Health Occupations

### 4.2 Course Type

WECM Course (nonTransfer)

### 4.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain
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entry-level employment in a target occupation

#### 4.4 Measured Outcome

Medical

##### 4.4.1 Student Learning Outcomes

By the end of the program, the student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for the medical patient.

##### 4.4.2 Learning Activities

Implement the curriculum related to medical patients in class, skills and clinical, incorporating all appropriate Department of Transportation objectives and including changes made after the last evaluation of LEAPs. Use MyBrady Lab, on-line resource, to get the students engaged and keep them accountable.

##### 4.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation
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##### 4.4.4 Measure of Success

At least 60% of the students taking the Platinum Exit exam for paramedics in the last semester of the paramedic program will score 75% or higher on the Medical Section (using the Cut Score).

### 5 Course

EMSP 2444 Cardiology

#### 5.1 Division-Department

Health Occupations

#### 5.2 Course Type

WECM Course (nonTransfer)

#### 5.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain
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entry-level employment in a target occupation

## 5.4 Measured Outcome

### Cardiology

#### 5.4.1 Student Learning Outcomes

By the end of the program, the student will be able to demonstrate a working knowledge of clinical information and related topics relevant to the practice of pre-hospital personnel in cardiac management.

#### 5.4.2 Learning Activities

Implement the curriculum related to cardiac management in class, skills and clinical, incorporating all appropriate Department of Transportation objectives. Utilize plans developed after evaluation of last year's LEAPs. Use MyBrady Lab, on-line resource, to get the students engaged and keep them accountable.

#### 5.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation
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#### 5.4.4 Measure of Success

At least 60% of the students taking the Platinum Exit Exam for Paramedics in the last semester of the paramedic program will score 75% or higher on the Cardiology Section (using the Cut Score).

Program Name: AAS/Certificate - Surgical Technology (Health Occupations)  
 Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course Surgical Technology Level II

### 1.1 Division-Department Health Occupations

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

### 1.4 Measured Outcome Anatomy & Physiology

#### 1.4.1 Student Learning Outcomes

By the end of SRGT 1441 and 1442, the student will be able to relate the relevant anatomy and pathology to indications for selected surgical procedures.

#### 1.4.2 Learning Activities

Implement the curriculum for SRGT 1441 and 1442 in class. Have students discuss relevant clinical experiences to help reinforce the principles of anatomy & physiology. Continue to have students use the A&P book for surgical technologists and test on this knowledge.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 1.4.4 Measure of Success

Seventy percent of the students will score 70% or higher on the anatomy & physiology section (Section IIIA.) of the Certified Surgical Technology (CST) exam given at the end of the program.

### 1.5 Measured Outcome Intraoperative Procedures

#### 1.5.1 Student Learning Outcomes

By the end of the program, the student will be able to demonstrate knowledge of certifying exam content related to intraoperative procedures.

#### 1.5.2 Learning Activities

Implement the curriculum for SRGT 1409,1441 and 1442 in class and skills. Instructor will have students discuss relevant clinical experiences to help reinforce the intraoperative principles and

content.

### 1.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation
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### 1.5.4 Measure of Success

Seventy percent of the students will score 70% or higher on the Intraoperative Procedures subsection (Section I B.) of the Certified Surgical Technologist (CST) exam given at the end of the spring semester.

## 1.6 Measured Outcome Surgical Pharmacology

### 1.6.1 Student Learning Outcomes

By the end of the program, the student will be able to demonstrate knowledge of certifying exam content related to surgical pharmacology.

### 1.6.2 Learning Activities

Implement the curriculum for SRGT 1409, 1405, 1441 and 1442 in class and skills. Students will discuss relevant clinical experiences to help reinforce the principles and pharmacology content. Instructor will use specific text on pharmacology as a resource and test more in this area.

### 1.6.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation
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### 1.6.4 Measure of Success

Seventy percent of the students will score 70% or higher on the Surgical Pharmacology subsection (Section III. C) of the Certified Surgical Technologist (CST) exam given at the end of the spring semester.

Program Name: ABDR.1441

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course ABDR.1441, Structural Analysis & Damage Repair 1

### 1.1 Division-Department TDCJ- AUTO BODY REPAIR

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Student will have the skill to use a spray gun for spot repairs and overall paint repairs.

#### 1.4.2 Learning Activities

Students will have a classroom lecture and a video by manufacturer of spray gun, also will have hands on projects to complete.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 1.4.4 Measure of Success

85% of the students will be able to use the spray gun without instructor supervision.

Program Name: ABDR.2431

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course ABDR. 2431, Structural Analysis & Damage Repair III

### 1.1 Division-Department TDCJ- AUTO BODY REPAIR

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Student will learn how to color sand new finish to remove trash and imperfections before buffing.

#### 1.4.2 Learning Activities

Video by 3m on sanding and classroom lecture also hands on projects.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 1.4.4 Measure of Success

85% of students will be able color sand without instructor supervision.

Program Name: ABDR.2441

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course ABDR.2441, Major Collision Repair & Panel Replacement

### 1.1 Division-Department TDCJ- AUTO BODY REPAIR

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Student will learn the skill how to use 3M 3 step system to buff and polish new finish.

#### 1.4.2 Learning Activities

3m video classroom lecture and hands on projects.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 1.4.4 Measure of Success

85% of students will be able to use 3 step system without supervision.

Program Name: ACCT.2401

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

ACCT 2401, Financial Accounting

### 1.1 Division-Department

Business and Computer Science Division Accounting Department

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

1.1 Student Engagement

Student Engagement

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
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Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation
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<b>Strategic Plan (Use for Administrative Outcomes)</b>	1 Enhance the Student
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1.1 Student Engagement	Student Engagement
------------------------	--------------------

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

The student will be able to analyze, classify and record a group of Business Transactions in a Standard two column journal, foot the journal, and post the transactions to the general ledger accounts.

Additionally, from a list of given accounts the students will identify normal balances of accounts of the accounts and select what statement the accounts belongs on.

#### 1.4.2 Learning Activities

Define, (Match, Recognize) Accounting terms, Analyze, classify, record, and calculate the transactions in a standard two column journal, record the appropriate account title and amount in the journal, foot the journal, post the amount of each transaction to the appropriate general ledger accounts and calculate the normal balance in each account

**1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

1.1 Student Engagement

Student Engagement

*General Outcomes Links*

**General Education (Use for LEAPs)**      General Education Outcomes

Empirical and Quantitative Skills      Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

**Strategic Plan (Use for Administrative Outcomes)**      1 Enhance the Student

1.1 Student Engagement      Student Engagement

**1.4.4 Measure of Success**

Eighty (80) percent of the evaluated students will score of 80% or above on the evaluative instrument to demonstrate a mastery of the objective. This is for the online as well as the face to face student.

Program Name: ACCT.2402

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

ACCT 2402 Managerial Accounting

### 1.1 Division-Department

Business and Computer Science, Accounting Department

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

1.1 Student Engagement

Student Engagement

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
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Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation
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<b>Strategic Plan (Use for Administrative Outcomes)</b>	1 Enhance the Student
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1.1 Student Engagement	Student Engagement
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### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

The student will be able to calculate nineteen accounting formulas dealing with Solvency, Liquidity, Vertical and Horizontal Analysis Measures and Profitability Measures.

[Chapter 17 test \(003\)](#) [PDF 356 KB OCT 10, 2019]

#### 1.4.2 Learning Activities

Student will be able to calculate the following Accounting Analytical Measures. Working capital, current ratio, quick ratio, accounts receivable turnover, number of days sales in receivables, inventory turnover, number of days sales in inventory, ration of fixed assets to long-term liabilities, ration of liabilities to stockholders equity, number of times interest charges are earned, number of times preferred dividends are earned, ration of sales to assets, rate earned on assets, rate earned on

stockholder equity, rate earned on common stockholders equity, earnings per share(EPS) on common stock, price-earnings (P/E) ratio, dividends per share, dividend yield.

**1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

1.1 Student Engagement

Student Engagement

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
-----------------------------------	---

Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation
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<b>Strategic Plan (Use for Administrative Outcomes)</b>	1 Enhance the Student
---	-----------------------

1.1 Student Engagement	Student Engagement
------------------------	--------------------

**1.4.4 Measure of Success**

Eighty (80) percent of the evaluated students will score of 80% or above on the evaluative instrument to demonstrate a mastery of the objective.

[Chapter 17 testFinancialStatementAnalysis](#) [PDF 356 KB OCT 9, 2019]

Program Name: ACNT.1303

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

ACNT 1303, Introduction to Accounting

### 1.1 Division-Department

Business and Computer Science - Accounting Department

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

1.1 Student Engagement

Student Engagement

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

<b>Strategic Plan (Use for Administrative Outcomes)</b>	1 Enhance the Student
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1.1 Student Engagement	Student Engagement
------------------------	--------------------

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

The student will be able to analyze, classify and record a group of Business Transactions in a Standard two column journal, foot the journal, and post the transactions to the general ledger accounts.

#### 1.4.2 Learning Activities

Analyze, classify, record, and calculate the transactions in a standard two column journal, record the appropriate account title and amount in the journal, foot the journal, post the amount of each transaction to the appropriate general ledger accounts and calculate the normal balance in each account

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

1.1 Student Engagement

Student Engagement

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
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Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation
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<b>Strategic Plan (Use for Administrative Outcomes)</b>	1 Enhance the Student
---	-----------------------

1.1 Student Engagement	Student Engagement
------------------------	--------------------

**1.4.4 Measure of Success**

Eighty (80) percent of the evaluated students will score of 80% or above on the evaluative instrument to demonstrate a mastery of the objective

Program Name: AGAH.1353

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

**1 Course** AGAH 1353, Beef Cattle Production

AGAH 1353, Beef Cattle Production

**1.1 Division-Department** Career and Technology - Ranch Management

Career and Technology - Ranch Management

**1.2 Course Type**

WECM Course (nonTransfer)

**1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

**1.4 Measured Outcome**

90% of students successfully select a sound, fertile bull using visual criteria and EPD data.

**1.4.1 Student Learning Outcomes**

Students will be able to select a sound, fertile bull using visual criteria and EPD data

**1.4.2 Learning Activities**

In a classroom setting, students will evaluate criteria for a sound, fertile bull. Evaluate live bulls to determine the best breed prospects for varying cattle herds.

**1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

**1.4.4 Measure of Success**

90% of evaluated students will be able to select a breeding bull and demonstrate 90% mastery in analyzing criteria for bull selection.

Program Name: AGAH.1447

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

**1 Course** AGAH 1447, Animal Reproduction

**1.1 Division-Department** Career and Technology - Ranch Management

**1.2 Course Type**

WECM Course (nonTransfer)

**1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

**1.4 Measured Outcome**

90% of students will palpate a cow and successfully determine if she is bred or open.

**1.4.1 Student Learning Outcomes**

Students will be able to palpate a cow to determine if bred or open.

**1.4.2 Learning Activities**

At the end of the course, the student will be evaluated to determine ability to determine pregnancy or absence of pregnancy in cattle.

**1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

**1.4.4 Measure of Success**

90% of evaluated students will be able to palpate a cow to determine if bred or open and demonstrate 75% mastery out of 10 head of cattle.

Program Name: AGAH.2313

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

**1 Course** AGAH 2313, Principles of Feeds and Feeding  
AGAH 2313, Principles of Feeds and Feeding

**1.1 Division-Department** Career and Technology - Ranch Management  
Career and Technology - Ranch Management

**1.2 Course Type**  
WECM Course (nonTransfer)

**1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

**1.4 Measured Outcome**

90% of students will successfully analyze criteria for acceptable vs. nonacceptable body condition scores in cattle.

**1.4.1 Student Learning Outcomes**

Students will be able body condition score cattle

**1.4.2 Learning Activities**

In a classroom setting and using live animals, students will gain the knowledge needed in order to give correct body condition scores on cattle.

**1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

**1.4.4 Measure of Success**

90% of evaluated students will be able to body condition score cattle and demonstrate 90% mastery in analyzing criteria for acceptable vs. nonacceptable condition scores.

Program Name: AGRI.1307

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course AGRI 1307

AGRI 1307, Agronomy

### 1.1 Division-Department Career and Technology - Agriculture

Career and Technology - Agriculture

### 1.2 Course Type

Academic General Education Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will be able to perform a soil test analysis for various primary plant nutrients, pH, and texture using a field soil test kit.

#### 1.4.2 Learning Activities

I will use the TVCC Agriculture building lab and the department's field soil test kit for students to learn how to test and analyze soil samples.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

#### 1.4.4 Measure of Success

65% of enrolled students will (suggested learning activity) and demonstrate at least 80% mastery in (core objective)

Program Name: AGRI.1319

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

AGRO 1319, Animal Science

### 1.1 Division-Department

Career and Technology - Agriculture

### 1.2 Course Type

Academic General Education Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will be able to demonstrate an understanding of the various types of injections given to cattle to prevent disease.

#### 1.4.2 Learning Activities

Students will gain an understanding of the desired outcome in the course through reading the textbook material, class interaction and discussion, practice exercises, and class and lab demonstrations.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 1.4.4 Measure of Success

60% of enrolled students will (suggested learning activity) and demonstrate at least 75% mastery in (core objective)

Program Name: AGRI.1325

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

AGRI 1325, Marketing of Agricultural Products

### 1.1 Division-Department

Career and Technology - Agriculture

### 1.2 Course Type

Academic General Education Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will become familiar with the theory, practice and politics of world trade in agricultural products

#### 1.4.2 Learning Activities

Students will develop an understanding of the desired outcome through reading assignments, class interaction and discussion, and class lecture.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

#### 1.4.4 Measure of Success

65% of evaluated students will complete the drawing project and demonstrate 80% mastery in communicating the correct size, shape, appearance, and material of an object to be created

Program Name: ARTS.1301

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

ARTS 1301, Art Appreciation

### 1.1 Division-Department

Fine Arts - Art

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General Education (Use for LEAPs)**      General Education Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Demonstrate a knowledge of a new vocabulary and new ways of seeing/communicating about art

#### 1.4.2 Learning Activities

Formal essays and/or presentation work which assesses the mechanics, structure, connection of content to the main topic, logic, and accuracy and/or depth of content. Presentation would require a final product in the form of a visual aid.

Flash card, discussion board, and/or structured game for which students are assessed based on participation within a group Students are asked to use their imagination in formulating opinions regarding an artist's concerns about community, state, or national social issue which can be seen or inferred within the artwork"

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General**      General

<b>Education (Use for LEAPs)</b>	Education Outcomes
Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

#### 1.4.4 Measure of Success

CT: 70% of students who submit the report and execute a visual presentation will score at least 12 on "Summary of a formal analysis of one of the artist's works using appropriate visual vocabulary".

CM: 70% of students who submit the report and execute a visual presentation will achieve a combined score of at least 7 on "Basic biographical facts" and on "How the artist/work displays the major characteristics of art movement".

TW: 70% percent of students who submit the report and execute a visual presentation will score at least a 7 on the peer evaluation point average.

### 1.5 Measured Outcome

#### 1.5.1 Student Learning Outcomes

Demonstrate an understanding of the importance of artists as recorders and contributors to history

#### 1.5.2 Learning Activities

Formal essays and/or presentation work which assesses the mechanics, structure, connection of content to the main topic, logic, and accuracy and/or depth of content.

Mock interviews/newspaper reporting require students to use their imagination in formulating questions and answers which ask the artist to share their opinions and concerns about community, state, or national issues and needs as well as factual historical information found within the artwork.

#### 1.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

#### 1.5.4 Measure of Success

SR: 70% percent of students who submit the report and execute a visual presentation will score at least a 7 on "If this artist were alive today, what issue would their art explore?".

Program Name: ARTS.1303

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

ARTS 1303, Art History I

### 1.1 Division-Department

Fine Arts - Art

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Analyze the relationship of art to history by placing works of art within cultural, historical, and chronological contexts.

#### 1.4.2 Learning Activities

Formal essays and/or presentation work which assesses the mechanics, structure, connection of content to the main topic, logic, and accuracy and/or depth of content.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### General Outcomes Links

**General  
Education (Use  
for LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
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**Communication Skills**

**Communication Skills (CM):** To include effective development, interpretation and expression of ideas through written, oral and visual communication

**1.4.4 Measure of Success**

CT: 70% of the students who produce and present a portfolio presentation will earn at least 70% of the points available for correctly identifying examples of artistic elements within a work of art.

CM: 70% of the students who produce and present a portfolio presentation will earn at least 70% of the points available for effectively presenting their portfolio presentation in the class.

**1.5 Measured Outcome****1.5.1 Student Learning Outcomes**

Identify various artists, their styles, and the time period in which they lived.

**1.5.2 Learning Activities**

Formal essays and/or presentation work which assesses the mechanics, structure, connection of content to the main topic, logic, and accuracy and/or depth of content. One component of the essay could explore the artist's contribution to his/her community, state, or nation. Presentation would require a final product in the form of a visual aid.

Flash card, discussion board, and/or structured game for which students are assessed based on participation within a group

**1.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)***General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

**1.5.4 Measure of Success**

TW: Of the students who produce a timeline, 100% will effectively work with their team members in the production of a timeline

**1.6 Measured Outcome****1.6.1 Student Learning Outcomes**

Demonstrate an understanding of the importance of artists as recorders and contributors to history.

**1.6.2 Learning Activities**

Formal essays and/or presentation work which assesses the mechanics, structure, connection of content to the main topic, logic, and accuracy and/or depth of content. Presentation would require a final product in the form of a visual aid.

Mock interviews/newspaper reporting require students to use their imagination in formulating questions and answers which ask the artist to share their opinions and concerns about community, state, or national issues and needs as well as factual historical information found within the artwork.

**1.6.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

*General Outcomes Links*

**General Education (Use for LEAPs)**      General Education Outcomes

Social Responsibility      Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

**1.6.4 Measure of Success**

SR: Of the students who produce and present a portfolio, 70% of students will earn 70% of the points available for demonstrating their understanding of the artists' connection to their communities.

Program Name: ARTS.1304

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

ARTS 1304, Art History II

### 1.1 Division-Department

Fine Arts - Art

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Analyze the relationship of art to history by placing works of art within cultural, historical, and chronological contexts.

#### 1.4.2 Learning Activities

Formal essays and/or presentation work which assesses the mechanics, structure, connection of content to the main topic, logic, and accuracy and/or depth of content.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### General Outcomes Links

**General  
Education (Use  
for LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
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**Communication Skills**

**Communication Skills (CM):** To include effective development, interpretation and expression of ideas through written, oral and visual communication

**1.4.4 Measure of Success**

CM: 70% of students who produce and present a portfolio presentation will earn at least 70% of the available points for effectively presenting their portfolio presentation to the class

CT: 70% of the students who produce and present a portfolio presentation will earn at least 70% of the available points for correctly identifying artistic elements within a work of art

**1.5 Measured Outcome****1.5.1 Student Learning Outcomes**

Identify various artists, their styles, and the time period in which they lived.

**1.5.2 Learning Activities**

Formal essays and/or presentation work which assesses the mechanics, structure, connection of content to the main topic, logic, and accuracy and/or depth of content. One component of the essay could explore the artists contribution to the needs of his/her community, state, or nation. Presentation would require a final product in the form of a visual aid.

Flash card, discussion board, and/or structured game for which students are assessed based on participation within a group

**1.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)***General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

**1.5.4 Measure of Success**

TW: Of the students who produce a timeline, 100% will effectively work with their team members in the production of a timeline

**1.6 Measured Outcome****1.6.1 Student Learning Outcomes**

Demonstrate an understanding of the importance of artists as recorders and contributors to history

**1.6.2 Learning Activities**

Formal essays and/or presentation work which assesses the mechanics, structure, connection of content to the main topic, logic, and accuracy and/or depth of content. Presentation would require a final product in the form of a visual aid.

Mock interviews/Newspaper reporting require students to use their imagination in formulating questions and answers which ask the artist to share their opinions and concerns about community, state, or national issues and needs as well as factual historical information found within the artwork

**1.6.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
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**1.6.4 Measure of Success**

SR: Of the students who produce and present a portfolio, 70% of the students who produce and present a portfolio presentation will earn 70% of the points available for demonstrating their understanding of the artist's connection to their communities

Program Name: AUMT.1405

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

**1 Course** AUMT 1405 Introduction to Automotive Tecnology

**1.1 Division-Department**

Career and Technology

**1.2 Course Type**

WECM Course (nonTransfer)

**1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

**1.4 Measured Outcome**

70% of the students will be able to measure the angle of a valve seat on a cylinder head

**1.4.1 Student Learning Outcomes**

The students will be able to measure the angle of a valve seat using a angle gauge

**1.4.2 Learning Activities**

Student will measure seat angle using the specifications in the reference material

**1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

**1.4.4 Measure of Success**

70% of evaluated students will complete the measuring of the valve seat angle

Program Name: AUMT.1416

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

AUMT 1416, Suspension and Steering

### **1.1 Division-Department**

Career and Technology

### **1.2 Course Type**

WECM Course (nonTransfer)

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

80% of the students enrolled will be able to balance a tire and wheel

**1.4.1 Student Learning Outcomes**

Student will be able to balance a tire and wheel using the electronic wheel machine

**1.4.2 Learning Activities**

Student will remove a tire and wheel from the automobile: set up the balancer and balance a tire

**1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)****1.4.4 Measure of Success**

70% of the students will complete 89% of the process of balancing a tire and wheel

Program Name: AUMT.1419

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

**1 Course** AUMT.1419 Engine Repair

**1.1 Division-Department** Career and Technology

**1.2 Course Type**

WECM Course (nonTransfer)

**1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

**1.4 Measured Outcome**

70 % of evaluated students will be able to cut a valve seat to correct angle.

**1.4.1 Student Learning Outcomes**

The student will be able to determine the correct angle to cut the seat and using correct tool, cut the seat

**1.4.2 Learning Activities**

The student will use reference material to determined angle of the valve seat.  
After grinding valve seat, correct angle will be tested with a properly cut valve.

**1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

**1.4.4 Measure of Success**

70% of the evaluates students will cut a valve seat to p[roper specifications

Program Name: BCIS.1305

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course BCIS 1305

### 1.1 Division-Department

Business and Computer Science

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

#### **Strategic Plan (Use for Administrative Outcomes)**

1 Enhance the Student

1.1 Student Engagement

Student Engagement

1.4.2

Increase course completion rates in workforce education courses

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Student will show proficiency by formatting an unformatted research paper with the specified formatting required. The formatting should include; modifying the documents normal style to Times New Roman, 12 pt., double spacing, no blank space after paragraphs; inserting a header with name and page number, inserting text, inserting a web citation, inserting a journal citation, inserting a book citation, inserting a footnote, formatting a bulleted list, and inserting a bibliography..

#### 1.4.2 Learning Activities

Student will show proficiency by formatting an unformatted research paper with the specified formatting required. The formatting should include; modifying the documents normal style to Times New Roman, 12 pt., double spacing, no blank space after paragraphs; inserting a header with name and page number, inserting text, inserting a web citation, inserting a journal citation, inserting a book citation, inserting a footnote, formatting a bulleted list, and inserting a bibliography..

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

#### **Strategic Plan (Use for Administrative Outcomes)** 1 Enhance the Student

1.1 Student Engagement

Student Engagement

#### 1.4.4 Measure of Success

75% of students evaluated will score a 70% on the project.

Program Name: BIOL.1406

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

BIOL 1406

### 1.1 Division-Department

Science - Biology

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

General Education (Use for LEAPs)	General Education Outcomes
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Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Apply scientific reasoning to investigate questions and utilize scientific tools such as microscopes and laboratory equipment to collect and analyze data.

#### 1.4.2 Learning Activities

Students will be assigned a laboratory experiment to be performed in a group. The group will be required to utilize proper lab techniques to obtain the desired outcome. The group will analyze data obtained from the experiment and relate the results to theory discussed in lecture. Participation in the lab experiment will be required.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### General Outcomes Links

General Education (Use for LEAPs)	General Education Outcomes
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Critical Thinking Skills (CT): To include creative thinking, innovation,

Critical Thinking	inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

#### **1.4.4 Measure of Success**

Benchmark of 60% of the students will receive 70% of the possible points for each core objective (CM, CT, EQ, TW).

Program Name: BIOL.1407

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

BIOL 1407

### 1.1 Division-Department

Science - Biology

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Apply scientific reasoning to investigate questions, and utilize scientific tools such as microscopes and laboratory equipment to collect and analyze data.

#### 1.4.2 Learning Activities

Students will be assigned a laboratory experiment to be performed in a group. The group will be required to utilize proper lab techniques to obtain the desired outcome. The group will analyze data obtained from the experiment and relate the results to theory discussed in lecture. Participation in the lab experiment will be required.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking Skills (CT): To include creative thinking, innovation,

Critical Thinking	inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

#### **1.4.4 Measure of Success**

Benchmark of 60% of the students will receive 70% of the possible points for each core objective (CM, CT, EQ, TW).

Program Name: BIOL.1408

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

BIOL 1408

### 1.1 Division-Department

Science - Biology

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Apply scientific reasoning to investigate questions and utilize scientific tools such as microscopes and laboratory equipment to collect and analyze data.

#### 1.4.2 Learning Activities

Students will be assigned a laboratory experiment to be performed in a group. The group will be required to utilize proper lab techniques to obtain the desired outcome. The group will analyze data obtained from the experiment and relate the results to theory discussed in lecture. Participation in the lab experiment will be required.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking Skills (CT): To include creative thinking, innovation,

Critical Thinking	inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

#### **1.4.4 Measure of Success**

Benchmark of 60% of the students will receive 70% of the possible points for each core objective (CM, CT, EQ, TW).

Program Name: BIOL.1409

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

BIOL 1409

### 1.1 Division-Department

Science - Biology

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Apply scientific reasoning to investigate questions and utilize scientific tools such as microscopes and laboratory equipment to collect and analyze data.

#### 1.4.2 Learning Activities

Students will be assigned a laboratory experiment to be performed in a group. The group will be required to utilize proper lab techniques to obtain the desired outcome. The group will analyze data obtained from the experiment and relate the results to theory discussed in lecture. Participation in the lab experiment will be required.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking Skills (CT): To include creative thinking, innovation,

Critical Thinking	inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

#### **1.4.4 Measure of Success**

Benchmark of 60% of the students will receive 70% of the possible points for each core objective (CM, CT, EQ, TW).

Program Name: BIOL.1411

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

BIOL 1411

### 1.1 Division-Department

Science - Biology

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Apply scientific reasoning to investigate questions and utilize scientific tools such as microscopes and laboratory equipment to collect and analyze data.

#### 1.4.2 Learning Activities

Students will be assigned a laboratory experiment to be performed in a group. The group will be required to utilize proper lab techniques to obtain the desired outcome. The group will analyze data obtained from the experiment and relate the results to theory discussed in lecture. Participation in the lab experiment will be required.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking Skills (CT): To include creative thinking, innovation,

Critical Thinking	inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

#### **1.4.4 Measure of Success**

Benchmark of 80% of the students will receive 70% of the possible points for each core objective (CM, CT, EQ, TW).

Program Name: BIOL.1413

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

BIOL 1413

### 1.1 Division-Department

Science - Biology

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General</b>	General
<b>Education (Use</b>	Education
<b>for LEAPs)</b>	Outcomes

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Apply scientific reasoning to investigate questions and utilize scientific tools such as microscopes and laboratory equipment to collect and analyze data.

#### 1.4.2 Learning Activities

Students will be assigned a laboratory experiment to be performed in a group. The group will be required to utilize proper lab techniques to obtain the desired outcome. The group will analyze data obtained from the experiment and relate the results to theory discussed in lecture. Participation in the lab experiment will be required.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General</b>	General
<b>Education (Use</b>	Education
<b>for LEAPs)</b>	Outcomes

Critical Thinking Skills (CT): To include creative thinking, innovation,

Critical Thinking	inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

#### **1.4.4 Measure of Success**

Benchmark of 60% of the students will receive 70% of the possible points for each core objective (CM, CT, EQ, TW).

Program Name: BIOL.2401

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

BIOL 2401

### 1.1 Division-Department

Science - Biology

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General</b>	General
<b>Education (Use</b>	Education
<b>for LEAPs)</b>	Outcomes

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Appropriately utilize laboratory equipment, such as microscopes, dissection tools, general lab ware, physiology data acquisition systems, and virtual simulations.

#### 1.4.2 Learning Activities

Students will be assigned a laboratory experiment to be performed in a group. The group will be required to utilize proper lab techniques to obtain the desired outcome. The group will analyze data obtained from the experiment and relate the results to theory discussed in lecture. Participation in the lab experiment will be required.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General</b>	General
<b>Education (Use</b>	Education
<b>for LEAPs)</b>	Outcomes

Critical Thinking Skills (CT): To include creative thinking, innovation,

Critical Thinking	inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

#### **1.4.4 Measure of Success**

Benchmark of 60% of the students will receive 70% of the possible points for each core objective (CM, CT, EQ, TW).

Program Name: BIOL.2402

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

BIOL 2402

### 1.1 Division-Department

Science - Biology

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Appropriately utilize laboratory equipment, such as microscopes, dissection tools, general lab ware, physiology data acquisition systems, and virtual simulations.

#### 1.4.2 Learning Activities

Students will be assigned a laboratory experiment to be performed in a group. The group will be required to utilize proper lab techniques to obtain the desired outcome. The group will analyze data obtained from the experiment and relate the results to theory discussed in lecture. Participation in the lab experiment will be required.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking Skills (CT): To include creative thinking, innovation,

Critical Thinking	inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

#### **1.4.4 Measure of Success**

Benchmark of 60% of the students will receive 70% of the possible points for each core objective (CM, CT, EQ, TW).

Program Name: BIOL.2404

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

BIOL 2404

### 1.1 Division-Department

Science - Biology

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Appropriately utilize laboratory equipment, such as microscopes, dissection tools, general lab ware, physiology data acquisition systems, and virtual simulations.

#### 1.4.2 Learning Activities

Students will be assigned a laboratory experiment to be performed in a group. The group will be required to utilize proper lab techniques to obtain the desired outcome. The group will analyze data obtained from the experiment and relate the results to theory discussed in lecture. Participation in the lab experiment will be required.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking Skills (CT): To include creative thinking, innovation,

Critical Thinking	inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

#### **1.4.4 Measure of Success**

Benchmark of 70% of the students will receive 70% of the possible points for each core objective (CM, CT, EQ, TW).

Program Name: BIOL.2420

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

BIOL 2420

### 1.1 Division-Department

Science - Biology

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Use and comply with laboratory safety rules, procedures, and universal precautions.

#### 1.4.2 Learning Activities

Students will be assigned a laboratory experiment to be performed in a group. The group will be required to utilize proper lab techniques to obtain the desired outcome. The group will analyze data obtained from the experiment and relate the results to theory discussed in lecture. Participation in the lab experiment will be required.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

#### **1.4.4 Measure of Success**

Benchmark of 60% of the students will receive 70% of the possible points for each core objective (CM, CT, EQ, TW).

Program Name: BMGT.1327

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

BMGT 1327

### 1.1 Division-Department

Business and Computer Science - Management

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

The student will use their communication skills to interview a manager and ask eight specific questions about their managerial position. This interview activity will give the student valuable information for entry-level supervision skills that will be needed as they obtain employment after graduation.

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will interview a manager to learn about their job, qualifications and challenges they face on a daily basis.

#### 1.4.2 Learning Activities

Students will choose a manager with 2-5 years of management experience and set up an interview. During the interview, the student will ask a set of eight questions related to the managers position. The student will prepare the assignment after the interview and include the detailed responses by using complete sentences.

[PM Manager Interview checklist](#) [PDF 74 KB AUG 8, 2019]

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button) Discussion Posting in Online class

Students will post to Discussion #2 in the online course about one of the questions in the Manager Interview that will help them be a more successful supervisor or manager in the future. Then they will need to reply to a classmate's posting on this topic.

#### *General Outcomes Links*

**General Education (Use for LEAPs)**      General Education Outcomes

Communication Skills      Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 1.4.4 Measure of Success

80% of the evaluated students will demonstrate an ability of 75% mastery of the objective.

[PM Manager Interview checklist](#) [PDF 74 KB AUG 8, 2019]

Program Name: BMGT.1341

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course BMGT 1341, Business Ethics

### 1.1 Division-Department Business and Office Administration

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

The student will be able to differentiate the type of stakeholders and analyze the interactions between an organization and its primary and secondary stakeholders.

#### 1.4.2 Learning Activities

Utilizing a stakeholder model, students will identify stakeholders of a given company, categorize each as primary or secondary, and analyze the organizations level of social responsibility in a case analysis.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

#### 1.4.4 Measure of Success

74% of the evaluated students will demonstrate an ability of 70% mastery of the objective.

### 1.5 Measured Outcome

**1.5.1 Student Learning Outcomes**

**1.5.2 Learning Activities**

**1.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

**1.5.4 Measure of Success**

Program Name: BUSG.1301

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course Business and Computer Science

BUSG 1301 Introduction to Business

### 1.1 Division-Department Business and Computer Science

Business and Computer Science

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Communication Skills      Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Describe the major forms of business ownership available to a new start-up business.

#### 1.4.2 Learning Activities

Students will choose one of the five business ideas and prepare an individual report that explains the form of ownership your business should take and why. Also, create an outline of a business plan for the selected business idea.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### General Outcomes Links

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Communication Skills      Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### **1.4.4 Measure of Success**

75% of the evaluated students will demonstrate an ability of 70% mastery of the objective.

Program Name: BUSG.2309

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

BUSG 2309

### 1.1 Division-Department

Business and Computer Science - Management

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Communication Skills      Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will prepare a business plan which can be applied to an existing, expanded or a new venture. A new venture will need to determine the location plan, the marketing plan, the organizational plan, the financial plan and the exit or the harvest plan.

#### 1.4.2 Learning Activities

Students will prepare a business plan for a new start-up business that matches their skills and experience or an existing or expanded business venture. Utilize the Chapter 6, Exhibit 6.4 Business Plan Outline to focus on the major segments of the business plan, marketing plan, organizational plan, the financial plan and the exit/harvest plan.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### General Outcomes Links

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Communication Skills      Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

## Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### **1.4.4 Measure of Success**

75% of the evaluated students will demonstrate an ability of 70% mastery of the objective.

[Business Plan Rubric for BUSG 1301](#) [DOCX 14 KB AUG 9, 2019]

Program Name: Certificate - Medical/Nursing Assistant  
 Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

NURA 1401 - Nurse Aide for Health Care

### 1.1 Division-Department

Health Occupations

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
 Education  
 (Use for  
 LEAPs)**      General  
 Education  
 Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Discuss basic care of residents in a long-term care facility.

#### 1.4.2 Learning Activities

Instructor will provide lectures with PowerPoints over basic care for residents of long-term facilities. Students will practice skills for care of residents with mannequins and each other. Students will complete exercises in the workbook.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
 Education  
 (Use for  
 LEAPs)**      General  
 Education  
 Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 1.4.4 Measure of Success

80% of students in NURA 1401 in 2019 - 2020 will score 85% or higher on the Certified Nurse Aide (CNA) practice exam on the first attempt. This will show the student's readiness for the CNA exam which will allow them to work as a CNA.

## 2 Course

### MDCA 1254 - Medical Assisting Credentialing Exam Review

#### 2.1 Division-Department

Health Occupations

#### 2.2 Course Type

WECM Course (nonTransfer)

#### 2.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

##### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 2.4 Measured Outcome

##### 2.4.1 Student Learning Outcomes

The student will apply study techniques and perform test-taking strategies for exams covering content of medical assisting courses.

##### 2.4.2 Learning Activities

Students will spend set amounts of time in the National Healthcareers Association study modules for Clinical Medical Assisting. Instructor will have students take 6 practice National Healthcareers Association exams for Clinical Medical Assisting. Instructor will meet one-on-one with each student to discuss their weakest scoring areas and provide appropriate resources.

##### 2.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

##### 2.4.4 Measure of Success

All but one student in MDCA 1254 in 2019 - 2020 will score 80% or higher on at least one of the National Healthcareers Association practice exams for the Clinical Medical Assistant certification. This will demonstrate their readiness for the CCMA exam and demonstrate competence in the learning outcomes.

### 3 Course

PLAB 1323 & 1171

#### 3.1 Division-Department

Health Occupations

#### 3.2 Course Type

WECM Course (nonTransfer)

#### 3.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

##### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation
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#### 3.4 Measured Outcome

##### 3.4.1 Student Learning Outcomes

The student will identify collection equipment, various types of additives used, special precautions necessary and substances that can interfere in clinical analysis of blood constituents, and explain requisitioning, transport and processing. The student will demonstrate venipuncture and capillary puncture techniques using infection control and safety practices.

##### 3.4.2 Learning Activities

Instructor will lecture with PowerPoints to give the foundation of knowledge about phlebotomy. Students will read the textbook and complete exercises in the on-line McGraw Connect course. Students will demonstrate varying types of phlebotomy skills on classmates with at least 30 successful live sticks. Students will access McGraw Connect on-line access study modules and practice tests.

##### 3.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation
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##### 3.4.4 Measure of Success

All by one student will score 80% or higher on at least one of the phlebotomy credentialing practice exams on the first attempt. This will show readiness for the National Healthcareers Association Phlebotomy Certification exam and competency in the learning outcomes.

Program Name: Certificate - Nursing Assistant/ Aide and Patient Care Technology (Health Occupations)

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course PCT Semester

### 1.1 Division-Department Health Occupations

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation
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### 1.4 Measured Outcome Delegation -Role of the PCT

#### 1.4.1 Student Learning Outcomes

By the end of the PCT program, the student will be able to demonstrate knowledge of task-oriented duties and skills that can legally be delegated by the RN to the PCT.

#### 1.4.2 Learning Activities

Implement the curriculum for the PCT program in class, skills and clinicals including role-playing activities related to delegation. Students will discuss relevant clinical experiences to reinforce their knowledge of delegation and their role as a PCT.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation
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#### 1.4.4 Measure of Success

Eighty percent of the students in both fall and spring classes will score 90% or higher on the subtest of items on the semester final that relate to duties and skills that can be delegated by the RN to the PCT.

## 1.5 Measured Outcome Disease Processes- Core knowledge

### 1.5.1 Student Learning Outcomes

By the end of the PCT program, the student will be able to demonstrate a basic understanding of commonly occurring disease processes.

### 1.5.2 Learning Activities

Implement the curriculum for the PCT program in class, skills and clinical. Students will discuss relevant clinical experiences to enhance their knowledge of commonly occurring diseases. Students will participate in a group project, presenting about one of the most commonly occurring diseases.

### 1.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation
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### 1.5.4 Measure of Success

Eighty percent of the students in the fall and spring will score 80% or higher on the subtest of items on the PCT final that relate to commonly occurring disease processes.

Program Name: Certificate - Pharmacy Technology  
 Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

PHRA 1202 - Pharmacy Law

### 1.1 Division-Department

Health Occupations

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General Education (Use for LEAPs)**      General Education Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will differentiate among various federal and state pharmacy laws and regulations as they pertain to the practice of pharmacy and therefore pharmacy technicians.

#### 1.4.2 Learning Activities

Instructor will provide lecture with PowerPoints. Students will complete on-line activities, on-line research, simulation and practice exams.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General Education (Use for LEAPs)**      General Education Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 1.4.4 Measure of Success

90% of the students in PHRA 1202 in 2019 - 2020 will score 90% or higher on the final exam covering pharmacy law.

## 2 Course

### PHRA 1205 - Drug Classification

#### 2.1 Division-Department

Health Occupations

#### 2.2 Course Type

WECM Course (nonTransfer)

#### 2.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

##### *General Outcomes Links*

**General Education (Use for LEAPs)**      General Education Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 2.4 Measured Outcome

##### 2.4.1 Student Learning Outcomes

Students will learn the Top 200 drug generic names, brand names, drug classification, use and major side effects.

##### 2.4.2 Learning Activities

Students will receive lecture and theory from the instructor as well as online learning activities, research of various drug classes, learning games, simulated activities with various drug classes, research activities while at experiential site, review and study sessions, and practice tests

##### 2.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

**General Education (Use for LEAPs)**      General Education Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

##### 2.4.4 Measure of Success

85% of students in 2019 - 2020 will pass the final exam for PHRA 1205 on drug classifications with 80% or better score.

## 3 Course

### PHRA 1243 - Pharmacy Technician Certification Review

**3.1 Division-Department**

Health Occupations

**3.2 Course Type**

WECM Course (nonTransfer)

**3.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)***General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

**3.4 Measured Outcome****3.4.1 Student Learning Outcomes**

Student will be able to differentiate, discuss, calculate, demonstrate and/or explain the various duties and skills required of a pharmacy technician.

**3.4.2 Learning Activities**

Students will receive online learning activities, research, learning games, review games, review simulations, and practice tests.

**3.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)***General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

**3.4.4 Measure of Success**

80% of students in PHRA 1243 in 2020 will pass the Pharmacy Technician Certification Exam (PTCE) practice test with a score of 80% or better. This will demonstrate readiness for the PTCE.

Program Name: Certificate - Vocational Nursing (Health Occupations)  
 Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

VNSG 1231 Pharmacology

### 1.1 Division-Department

Health Occupations

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
 Education  
 (Use for  
 LEAPs)**      General  
 Education  
 Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

Pharmacology

#### 1.4.1 Student Learning Outcomes

By the end of VNSG 1231 in Level I, the student will be able to identify properties, effects and principles of pharmacotherapeutic agents.

#### 1.4.2 Learning Activities

Implement curriculum for VNSG 1231 through lectures and videos and in med administration in the skills lab. Will do practice math questions in class. Reinforcement will occur during medication administration in clinical.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
 Education  
 (Use for  
 LEAPs)**      General  
 Education  
 Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 1.4.4 Measure of Success

Seventy-five percent of the students will score at or above national average on the ATI Pharmacology test on the first attempt.

## 2 Course

VNSG 1234 Pediatrics

### 2.1 Division-Department

Health Occupations

### 2.2 Course Type

WECM Course (nonTransfer)

### 2.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General Education (Use for LEAPs)**      General Education Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 2.4 Measured Outcome

Pediatric nursing

#### 2.4.1 Student Learning Outcomes

By the end of VNSG 1234 in Level II, the student will be able to utilize the nursing process to assist in planning for the well or ill child.

#### 2.4.2 Learning Activities

Implement curriculum for VNSG 1234 through lectures and audiovisuals and computer simulations. Experiences with pediatric patients in the clinical course will help to reinforce this material.

#### 2.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General Education (Use for LEAPs)**      General Education Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 2.4.4 Measure of Success

Seventy-five percent of the students will score at or above national average on the ATI PN Nursing Care of Children test on the first attempt.

## 3 Course

## VNSG 1230 Maternal-Neonatal Nursing

### 3.1 Division-Department

Health Occupations

### 3.2 Course Type

WECM Course (nonTransfer)

### 3.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

### 3.4 Measured Outcome

Maternal-newborn nursing

#### 3.4.1 Student Learning Outcomes

By the end of VNSG 1230 in Level II, the student will be able to utilize the nursing process to assist in planning for the childbearing family.

#### 3.4.2 Learning Activities

Implement curriculum for VNSG 1230 through lectures and videos and computer simulation. Experiences with maternity patients in the clinical course will help to reinforce this material.

#### 3.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation
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#### 3.4.4 Measure of Success

Seventy-five percent of the students will score at or above national average on the ATI PN Maternal/newborn nursing test on the first attempt.

## 4 Course

VNSG 1409 Nursing in Health & Illness II

VNSG 2510 Nursing in Health & Illness III

### 4.1 Division-Department

Health Occupations

### 4.2 Course Type

WECM Course (nonTransfer)

### 4.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

*General Outcomes Links*

**General Education (Use for LEAPs)**      General Education Outcomes

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

**4.4 Measured Outcome**

Medical-Surgical Nursing

**4.4.1 Student Learning Outcomes**

By the end of Level III, the student will be able to utilize the nursing process to assist in caring for clients with common medical-surgical health problems.

**4.4.2 Learning Activities**

Implement curriculum for Levels I, II and III through lectures and videos and computer simulations. Experiences with medical-surgical patients in the clinical courses will help to reinforce this material.

**4.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)***General Outcomes Links*

**General Education (Use for LEAPs)**      General Education Outcomes

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

**4.4.4 Measure of Success**

Seventy-five percent of the students will score at or above national average on the ATI PN Medical/Surgical test on the first attempt.

**5 Course**

VNSG 1136 Mental Health

**5.1 Division-Department**

Health Occupations

**5.2 Course Type**

WECM Course (nonTransfer)

**5.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)***General Outcomes Links*

**General Education**      General Education

**Education Outcomes**  
(Use for LEAPs)

Career Entry Skills Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 5.4 Measured Outcome

Mental Health Nursing

##### 5.4.1 Student Learning Outcomes

By the end of Level III, the student will be able to identify mental illness, and treatment of common abnormal patterns of behavior and related nursing interventions.

##### 5.4.2 Learning Activities

Implement curriculum for Level III through lectures and videos and computer simulations.

##### 5.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*General Outcomes Links*

**General Education** (Use for LEAPs) General Education Outcomes

Career Entry Skills Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

##### 5.4.4 Measure of Success

Seventy-five percent of the students will score at or above national average on the ATI PN CAP Mental Health test on the first attempt.

## 6 Course

VNSG 1400 Nursing in Health & Illness I

### 6.1 Division-Department

Health Occupations

### 6.2 Course Type

WECM Course (nonTransfer)

### 6.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

*General Outcomes Links*

**General Education** (Use for LEAPs) General Education Outcomes

Career Entry Skills Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

## 6.4 Measured Outcome

Nursing Fundamentals

### 6.4.1 Student Learning Outcomes

By the end of Level I, the student will be able to identify basic interventions to support the client and family during life stages including death & dying.

### 6.4.2 Learning Activities

Implement Level I curriculum in class, skills and clinical, incorporating changes decided on at the last VN faculty meeting.

### 6.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*General Outcomes Links*

**General Education (Use for LEAPs)** General Education Outcomes

Career Entry Skills Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 6.4.4 Measure of Success

Seventy-five percent of the students will score at or above national average on the ATI Fundamentals diagnostic test.

## 7 Course

VNSG 1119 Leadership and Professional Development  
Capstone

### 7.1 Division-Department

Health Occupations

### 7.2 Course Type

WECM Course (nonTransfer)

### 7.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

*General Outcomes Links*

**General Education (Use for LEAPs)** General Education Outcomes

Career Entry Skills Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain

entry-level employment in a target occupation

## 7.4 Measured Outcome

Nursing Process - Capstone

### 7.4.1 Student Learning Outcomes

By the end of the VN program, the student will be able to utilize the nursing process in care for clients with common health problems.

### 7.4.2 Learning Activities

Implement entire curriculum in class, skills and clinical, incorporating changes decided on at the last VN faculty meeting.

### 7.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 7.4.4 Measure of Success

Seventy-five percent of the students will score at or above the national average on the ATI comprehensive diagnostic test.

Program Name: Certificate Non-Credit - Adult Education  
Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

The Adult Education and Literacy grant is managed by the Texas Workforce Commission (TWC). All course information is tracked in TWC's data system called TEAMS (Texas Educating Adults Management System).

### 1.1 Division-Department

Adult and Continuing Education (ACE).

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

Continuing and Workforce Education

### 1.4 Measured Outcome

Adults entering the GED Preparation course are expected to make significant gains in their abilities to improve written communication skills for passing the Reasoning through Language Arts (RLA) GED test; for employment, and real life occurrences. Skills addressed in this coursework include understanding the writing assignment, gathering ideas, organizing, writing topic sentences and paragraphs, writing introductory, body, developing and concluding paragraphs, evaluating the message, revision and editing, and understanding how written communication helps resolve matters that arise in real life.

#### 1.4.1 Student Learning Outcomes

Students will demonstrate mastery of writing skills by being able (a) write a good essay (b) write memorandums for the workplace (c) write letters to address real life problems with the goal of resolution. Students will demonstrate in these three areas their knowledge of planning, organizing, writing, evaluating and revision.

#### 1.4.2 Learning Activities

Oral and Written Communication (CM): To communicate clearly and effectively in both oral and written English, focusing on interpretation and expression of ideas through written, oral, and visual communication.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

NA

#### 1.4.4 Measure of Success

By introducing the student to proper planning, organizing, writing, evaluating and revision techniques, the student will be able to communicate well and express ideas through written, oral, and visual communication. Students will develop skills and become engaged learners as they work their way through project-based and designed-based assignments that address employment and everyday needs. Students will enhance their computer based knowledge by utilizing digital learning programs to produce assignments. Computer literacy prepares students to pass Computer Based Tests (CBT) such as the GED.

Program Name: Certificate Non-Credit - Automotive Technology (TDCJ)  
Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

AUMT 1005, Introduction to Automotive Technology

### 1.1 Division-Department

Automotive Technology TDCJ

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Explain and demonstrate safety as it applies to the automotive industry.

#### 1.4.2 Learning Activities

Students will read chapter 2.

Students will attend all lectures.

Students will be tested on information obtained by reading chapter 2 and the lectures.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### 1.4.4 Measure of Success

80% of students will receive a minimum score of 70 on the test.

### 1.5 Measured Outcome

#### 1.5.1 Student Learning Outcomes

Explain the use of MSDS materials.

#### 1.5.2 Learning Activities

Students will read chapter 2.

Students will attend all lectures.

Students will be tested on information obtained by reading chapter 2 and the lectures.

#### 1.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### 1.5.4 Measure of Success

80% of students will receive a minimum score of 70 on the test.

## **1.6 Measured Outcome**

### **1.6.1 Student Learning Outcomes**

Name common automotive tools and equipment.

### **1.6.2 Learning Activities**

Students will read chapter 3.

Students will attend all lectures.

Students will be tested on information obtained by reading chapter 3 and the lectures.

### **1.6.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

### **1.6.4 Measure of Success**

80% of students will receive a minimum score of 70 on the test.

## **2 Course**

AUMT 2017, Engine Performance Analyst I

### **2.1 Division-Department**

Automotive Technology TDCJ

### **2.2 Course Type**

WECM Course (nonTransfer)

### **2.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

## **2.4 Measured Outcome**

### **2.4.1 Student Learning Outcomes**

Recognize the fundamentals of engine operation.

### **2.4.2 Learning Activities**

Students will read chapter 5.

Students will attend all lectures.

Students will be tested on information obtained by reading chapter 5 and the lectures.

### **2.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

### **2.4.4 Measure of Success**

80% of students will receive a minimum score of 70 on the test.

## 2.5 Measured Outcome

### 2.5.1 Student Learning Outcomes

Identify electrical and electronic differences.

### 2.5.2 Learning Activities

Students will read chapter 6.

Students will attend all lectures.

Students will be tested on information obtained by reading chapter 6 and the lectures.

### 2.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

### 2.5.4 Measure of Success

80% of students will receive a minimum score of 70 on the test.

## 2.6 Measured Outcome

### 2.6.1 Student Learning Outcomes

Accurately describe the typical ignition system.

### 2.6.2 Learning Activities

Students will read chapter 8.

Students will attend all lectures.

Students will be tested on information obtained by reading chapter 8 and the lectures.

### 2.6.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

### 2.6.4 Measure of Success

80% of students will receive a minimum score of 70 on the test.

## 3 Course

AUMT 2034, Engine Performance Analyst II

### 3.1 Division-Department

Automotive Technology TDCJ

### 3.2 Course Type

WECM Course (nonTransfer)

### 3.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

### **3.4 Measured Outcome**

#### **3.4.1 Student Learning Outcomes**

Explain the operation, diagnosis, and repair of emission control systems.

#### **3.4.2 Learning Activities**

Students will read chapter 19.

Students will attend all lectures.

Students will be tested on information obtained by reading chapter 19 and the lectures.

#### **3.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **3.4.4 Measure of Success**

80% of students will receive a minimum score of 70 on the test.

### **3.5 Measured Outcome**

#### **3.5.1 Student Learning Outcomes**

Explain the operation, diagnosis, and repair of computerized engine control systems.

#### **3.5.2 Learning Activities**

Students will read chapter 15.

Students will attend all lectures.

Students will be tested on information obtained by reading chapter 15 and the lectures.

#### **3.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **3.5.4 Measure of Success**

80% of students will receive a minimum score of 70 on the test.

### **3.6 Measured Outcome**

#### **3.6.1 Student Learning Outcomes**

Explain the operation, diagnosis, and repair of advanced ignition and fuel systems.

#### **3.6.2 Learning Activities**

Students will read chapters 16 and 17.

Students will attend all lectures.

Students will be tested on information obtained by reading chapter 16 and 17 and the lectures.

**3.6.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

**3.6.4 Measure of Success**

80% of students will receive a minimum score of 70 on the test.

Program Name: Certificate Non-Credit - Business Computer (TDCJ)  
 Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

ITSC 1001, Introduction to Computers

### 1.1 Division-Department

TDCJ - Business Computer Information

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

Learning Outcomes

Student Learning Outcomes: Have a basic understanding of computer hardware, software, networks and how these tools can be used to achieve business goals. Students will receive instruction in these areas through concept lectures, skill demonstrations and hands-on computer lab activities.

#### General Outcomes Links

**General  
 Education  
 (Use for  
 LEAPs)**      General  
 Education  
 Outcomes

Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Technology	Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome Measured Outcome

Measure of Success: 78% of the evaluated students will demonstrate an ability of 75% mastery of the objective as demonstrated by test scores.

#### 1.4.1 Student Learning Outcomes

Given a workplace scenario requiring a written solution, assess the communication purpose and then prepare the materials that achieve the goal efficiently and effectively.

#### 1.4.2 Learning Activities

Read all of the information In each chapter in the text provided and complete the test with a passing score of  $\geq 70\%$ .

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

Have a basic understanding of computer hardware, software, networks and how these tools can be used to achieve business goals. As well as how the internet works.

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Technology

Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

**1.4.4 Measure of Success**

80% of the evaluated students will demonstrate an ability of 70% mastery of the objective.

**2 Course**

ITSE 1009, Integrated Software Applications I

**2.1 Division-Department**

TDCJ - Business Computer Information

**2.2 Course Type**

WECM Course (nonTransfer)

**2.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

Learning Outcomes

Student Learning Outcomes: To understand and practice how to use Microsoft Word practices to produce written materials for general business use.

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Technology

Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

**2.4 Measured Outcome**

Measure of Success: 78% of the evaluated students will demonstrate an ability of 75% mastery of the objective as demonstrated by saved class work and test scores.

**2.4.1 Student Learning Outcomes**

Given a workplace scenario requiring a written solution, assess the communication purpose and then

prepare the materials that achieve the goal efficiently and effectively.

### 2.4.2 Learning Activities

Edit an existing letter to include a table detailing specific information. Including a database for completion of a mail merge. With creation of said database within the MS word program.

### 2.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

To understand and practice how to use Microsoft Word practices to produce written materials for general business use.

#### *General Outcomes Links*

**General Education (Use for LEAPs)**      General Education Outcomes

Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Technology	Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 2.4.4 Measure of Success

75% of the evaluated students will demonstrate an ability of 70% mastery of the objective.

## 3 Course

ITSC 2021, Integrated Software Applications II

### 3.1 Division-Department

TDCJ - Business Computer Information

### 3.2 Course Type

WECM Course (nonTransfer)

### 3.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

Student Learning Outcomes: To understand and practice how to use Microsoft Excel practices to produce spreadsheet materials for general business use.

#### *General Outcomes Links*

**General Education (Use for LEAPs)**      General Education Outcomes

Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual
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	communication
Technology	Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 3.4 Measured Outcome

Measure of Success: 78% of the evaluated students will demonstrate an ability of 75% mastery of the objective.

#### 3.4.1 Student Learning Outcomes

Given a workplace scenario requiring a written solution, assess the communication purpose and then prepare the materials that achieve the goal efficiently and effectively.

#### 3.4.2 Learning Activities

Copy and Paste data and Insert WordArt in a Training Scores workbook. Manage Multiple worksheets in a projected Earnings Workbook. Create and Format a line chart add a pie chart to a separate worksheet named pie chart then, link pie chart to projected earnings worksheet.

#### 3.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

To understand and practice how to use Microsoft Excel practices to produce spreadsheet materials for general business use.

##### *General Outcomes Links*

**General Education (Use for LEAPs)**      General Education Outcomes

Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Technology	Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 3.4.4 Measure of Success

75% of the evaluated students will demonstrate an ability of 70% mastery of the objective.

## 4 Course

ITSC 2031, Integrated Software Applications III

### 4.1 Division-Department

TDCJ - Business Computer Information

## 4.2 Course Type

WECM Course (nonTransfer)

## 4.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

To understand and practice how to use Microsoft PowerPoint practices to produce presentation materials for general business use.

### General Outcomes Links

**General Education (Use for LEAPs)**      General Education Outcomes

Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Technology	Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

## 4.4 Measured Outcome

Measure of Success: 78% of the evaluated students will demonstrate an ability of 75% mastery of the objective.

### 4.4.1 Student Learning Outcomes

Given a workplace scenario requiring a written solution, assess the communication purpose and then prepare the materials that achieve the goal efficiently and effectively.

### 4.4.2 Learning Activities

Edit existing presentation to include a table and a chart detailing specific information. Including a spreadsheet for completion of a data merge. Link chart to Presentations Written instructions. These instructions are located in the PowerPoint section of the Microsoft 2010 text book.

### 4.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

To understand and practice how to use Microsoft PowerPoint practices to produce presentation materials for general business use.

### General Outcomes Links

**General Education (Use for LEAPs)**      General Education Outcomes

Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Technology	Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and

	communicating
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 4.4.4 Measure of Success

78% of the evaluated students will demonstrate an ability of 70% mastery of the objective.

## 5 Course

ITSE 1011, Web Page Programming

### 5.1 Division-Department

TDCJ - Business Computer Information

### 5.2 Course Type

WECM Course (nonTransfer)

### 5.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

Recognize and create professional business / personal Web sites that demonstrate accurate formats and ideas expressed in appealing, clear, and concise order.

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
Technology	Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 5.4 Measured Outcome

75% of the evaluated students will demonstrate an ability of 70% mastery of the objective.

#### 5.4.1 Student Learning Outcomes

Recognize and create professional business / personal, by using HTML code accurately, Web sites that demonstrate accurate formats and ideas expressed in appealing, clear, and concise order.

#### 5.4.2 Learning Activities

Using written instructions students will create a web site that will be appealing to the viewer and easy to modify when the need arises. This site will be easy to navigate without confusion.

### 5.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

Recognize and create professional business Web sites that demonstrate accurate formats and ideas expressed in appealing, clear, and concise order.

#### *General Outcomes Links*

**General Education (Use for LEAPs)**      General Education Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
Technology	Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 5.4.4 Measure of Success

80% of the evaluated students will demonstrate an ability of 70% mastery of the objective.

## 6 Course

ARTC1017 DESIGN COMMUNICATIONS I

### 6.1 Division-Department

TDCJ - Business Computer Information

### 6.2 Course Type

WECM Course (nonTransfer)

### 6.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

The study of Graphic Design and introduction into the use of Graphic Design software with the use of an open source application from Blender.Org.

This class will be introduced to Blender 2.78c which is the latest Blender version that is not in a BETA state.

#### *General Outcomes Links*

**General Education (Use for LEAPs)**      General Education Outcomes

Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
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Technology	Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 6.4 Measured Outcome

75% of the evaluated students will demonstrate an ability of 75% mastery of the objective.

##### 6.4.1 Student Learning Outcomes

Given a workplace scenario requiring a design solution, which assess the communication purpose and then prepare the materials that achieve the goal efficiently and effectively.

##### 6.4.2 Learning Activities

The students will be given the task of creating a solid model of an inanimate object, in this case a mechanical robot. Along with the task of creating a texture and applying the texture to the object. The last step will be to add the "Bones" to enable the animation step. Bones are the objects that actually allow an inanimate object to become animated.

##### 6.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

75% of the evaluated students will demonstrate an ability of 75% mastery of the objective.

###### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Technology	Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

##### 6.4.4 Measure of Success

75% of the evaluated students will demonstrate an ability of 70% mastery of the objective.

Program Name: Certificate Non-Credit - Construction/Carpentry (TDCJ)  
 Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

CONSTRUCTION CARPENTRY - CVN101

### 1.1 Division-Department

TDCJ-ID, CONSTRUCTION CARPENTRY

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

STUDENTS WILL LEARN TO CORRECTLY READ A TAPE MEASURE.

### 1.4 Measured Outcome

**1.4.1 Student Learning Outcomes** READ A TAPE MEASURE.

STUDENTS WILL READ A TAPE MEASURE TO WITHIN 1/16 +/- .

**1.4.2 Learning Activities** READING A TAPE MEASURE.

EACH STUDENT WILL BE ISSUED A TAPE MEASURE TO USE WHILE MEASURING A GROUP OF OBJECTS.

**1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

**1.4.4 Measure of Success** EACH STUDENT WILL READ A TAPE MEASURE.

EACH STUDENT WILL READ A TAPE MEASURE TO WITHIN 1/16 +/-.

Program Name: Certificate Non-Credit - Mason/Masonry Education (TDCJ)  
 Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

**1 Course** CV 002, Masonry/Bricklaying  
 CV 002, Masonry/Bricklaying

**1.1 Division-Department** CV 002, Masonry/Bricklaying  
 CV 002, Masonry/Bricklaying

**1.2 Course Type** TDCJ/Masonry

**1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

**1.4 Measured Outcome**

**1.4.1 Student Learning Outcomes**

Introduction to masonry including safety, tools and equipment, theory, terminology, federal and state guidelines.

**1.4.2 Learning Activities**

Demonstrate masonry safety practices; discuss state and federal guidelines for masonry work; identify, use and maintain tools and equipment; calculate requirements; mix and spread mortar; use building materials correctly and lay brick/block and stone by the use of video training; written test and hands on training. Each student has an issued station where they are assigned projects from issued project sheets of different types of construction. Students are then graded on how well their projects are constructed. They continue the assigned projects until all are completed, then a final project is built from their design and finally graded on how well they are constructed.

**1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

*General Outcomes Links*

**General Education (Use for LEAPs)**      General Education Outcomes

Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation
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**1.4.4 Measure of Success**

90% to 100% passing grade.

Program Name: CETT.1341

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

### 1.1 Division-Department

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Technology	Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

The student will be able to perform an analysis of various solid state diode power-supply circuits and utilize the proper test instruments to perform hands on testing to verify the calculations are correct, reading and understanding the schematics given.

#### 1.4.2 Learning Activities

Define formulas related to various power-supply circuits and their performance. Build various power supply circuits, reading and understanding schematics, mathematical analysis and hands on measurements to verify calculations and readings. Readings will be taken with a DMM (Digital Multimeter Technology) and Multisim computer software.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Empirical and	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed
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Quantitative Skills	conclusions
Technology	Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### **1.4.4 Measure of Success**

75% of the evaluated students will demonstrate an ability of 75% mastery of the objective.

Program Name: CETT.1409

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course CETT 1409, DC-AC Circuit

### 1.1 Division-Department TDCJ - Electronics Technology

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Technology	Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

The student will be able to perform a calculated analysis of series DC circuits and utilize the proper test instruments to perform hands on testing to verify the calculations are correct, reading and understanding the schematics given.

#### 1.4.2 Learning Activities

Define formulas related to series circuits, including ohms law, Kirchhoffs voltage law, current in a series circuit and total resistance in a series circuit. Build series resistive circuits reading and understanding schematics, mathematical analysis of series circuits and hands on measurements to verify calculations and readings. Measurements will be taken with DMM(Digital Multimeter Technology) and Multisim software.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Empirical and      Empirical and Quantitative Skills (EQS): To include the manipulation and

Quantitative Skills	analysis of numerical data or observable facts resulting in informed conclusions
Technology	Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### **1.4.4 Measure of Success**

75% of the evaluated students will demonstrate an ability of 75% mastery of the objective.

Program Name: CETT.1415

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course CETT 1415, Digital Applications

### 1.1 Division-Department TDCJ - Electronics Technology

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Technology	Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

The student will be able to perform a calculated analysis of various logic gates. The student will build circuits according to the schematics supplied, as well as schematics drawn by the student, verifying truth tables and Boolean expressions by performing tests using proper test instruments.

#### 1.4.2 Learning Activities

Define Boolean expressions assigned to each logic gate and performing the equation mathematically to verify readings verses calculations. Perform hands on building, drawing, and troubleshooting of circuits consisting of logic gates using the DMM, oscilloscope, and logic probe.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### General Outcomes Links

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
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Technology	Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### **1.4.4 Measure of Success**

75% of the evaluated students will demonstrate an ability of 75% mastery of the objective.

Program Name: CHEM.1405

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

CHEM 1405

### 1.1 Division-Department

Science - Chemistry

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Use basic apparatus and apply experimental methodologies used in the chemistry laboratory.

#### 1.4.2 Learning Activities

Students will be assigned a laboratory experiment to be performed in a group. The group will be required to utilize proper lab techniques to obtain the desired outcome. The group will analyze data obtained from the experiment and relate the results to theory discussed in lecture. Participation in the lab experiment will be required.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

#### **1.4.4 Measure of Success**

Benchmark of 60% of the students will receive 70% of the possible points for each core objective (CM, CT, EQ, TW).

Program Name: CHEM.1407

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

CHEM 1407

### 1.1 Division-Department

Science - Chemistry

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Use basic apparatus and apply experimental methodologies used in the chemistry laboratory.

#### 1.4.2 Learning Activities

Students will be assigned a laboratory experiment to be performed in a group. The group will be required to utilize proper lab techniques to obtain the desired outcome. The group will analyze data obtained from the experiment and relate the results to theory discussed in lecture. Participation in the lab experiment will be required.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

#### **1.4.4 Measure of Success**

Benchmark of 60% of the students will receive 70% of the possible points for each core objective (CM, CT, EQ, TW).

Program Name: CHEM.1411

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

CHEM 1411

### 1.1 Division-Department

Science - Chemistry

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Use basic apparatus and apply experimental methodologies used in the chemistry laboratory.

#### 1.4.2 Learning Activities

Students will be assigned a laboratory experiment to be performed in a group. The group will be required to utilize proper lab techniques to obtain the desired outcome. The group will analyze data obtained from the experiment and relate the results to theory discussed in lecture. Participation in the lab experiment will be required.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

#### **1.4.4 Measure of Success**

Benchmark of 60% of the students will receive 70% of the possible points for each core objective (CM, CT, EQ, TW).

Program Name: CHEM.1412

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

CHEM 1412

### 1.1 Division-Department

Science - Chemistry

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

General Education (Use for LEAPs)	General Education Outcomes
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Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Use basic apparatus and apply experimental methodologies used in the chemistry laboratory.

#### 1.4.2 Learning Activities

Students will be assigned a laboratory experiment to be performed in a group. The group will be required to utilize proper lab techniques to obtain the desired outcome. The group will analyze data obtained from the experiment and relate the results to theory discussed in lecture. Participation in the lab experiment will be required.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### General Outcomes Links

General Education (Use for LEAPs)	General Education Outcomes
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Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

#### **1.4.4 Measure of Success**

Benchmark of 60% of the students will receive 70% of the possible points for each core objective (CM, CT, EQ, TW).

Program Name: CHEM.2423

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

CHEM 2423

### 1.1 Division-Department

Science - Chemistry

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Utilize scientific tools such as glassware and analytical instruments to collect and analyze data.

#### 1.4.2 Learning Activities

Students will be assigned a laboratory experiment to be performed in a group. The group will be required to utilize proper lab techniques to obtain the desired outcome. The group will analyze data obtained from the experiment and relate the results to theory discussed in lecture. Participation in the lab experiment will be required.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

#### **1.4.4 Measure of Success**

Benchmark of 60% of the students will receive 70% of the possible points for each core objective (CM, CT, EQ, TW).

Program Name: CHEM.2425

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

CHEM 2425

### 1.1 Division-Department

Science - Chemistry

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Utilize scientific tools such as glassware and analytical instruments to collect and analyze data.

#### 1.4.2 Learning Activities

Students will be assigned a laboratory experiment to be performed in a group. The group will be required to utilize proper lab techniques to obtain the desired outcome. The group will analyze data obtained from the experiment and relate the results to theory discussed in lecture. Participation in the lab experiment will be required.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

#### **1.4.4 Measure of Success**

Benchmark of 70% of the students will receive 70% of the possible points for each core objective (CM, CT, EQ, TW).

Program Name: COSC.1336

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course COSC 1336 Programming Fundamentals I

### 1.1 Division-Department Business and Computer Science COSC

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Technology

Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

Create a computer solution to a business or everyday problem that utilizes a logical statement:

#### 1.4.1 Student Learning Outcomes

Create a computer solution to a business or everyday problem that utilizes a logical statement:

Analyze the problem so that you understand how to produce the results with pencil, paper and a calculator.

Plan the algorithm so that you know how to write the logic in the language the class is using,

Make sure your logic works and produces the right results before you code the problem in a computer language.

Code the solution in the computer language that is used in this class.

Test the computer program to make sure that it produces the correct results.

#### 1.4.2 Learning Activities

By analyzing computer program specifications and requirement statements, draft a computer program using logical program syntax. Design, code, test and document a program that produces correct output using logical program statements.

### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Technology

Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills,

knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 1.4.4 Measure of Success

70% of students evaluated will produce a 100% correct, fully functional program using logical program statements

## 2 Course COSC 1336 Programming Fundamentals I

### 2.1 Division-Department Business and Computer Science COSC

### 2.2 Course Type

Academic TVCC Core Course (Transfer)

### 2.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Technology

Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 2.4 Measured Outcome

Create a computer solution to a business or everyday problem that utilizes a logical statement:

#### 2.4.1 Student Learning Outcomes

Create a computer solution to a business or everyday problem that utilizes a logical statement:

Analyze the problem so that you understand how to produce the results with pencil, paper and a calculator.

Plan the algorithm so that you know how to write the logic in the language the class is using,

Make sure your logic works and produces the right results before you code the problem in a computer language.

Code the solution in the computer language that is used in this class.

Test the computer program to make sure that it produces the correct results.

#### 2.4.2 Learning Activities

By analyzing computer program specifications and requirement statements, draft a computer program using logical program syntax. Design, code, test and document a program that produces correct output using logical program statements.

#### 2.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Technology

Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### **2.4.4 Measure of Success**

70% of students evaluated will produce a 100% correct, fully functional program using logical program statements

Program Name: CRIJ.1301  
 Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

CRIJ 1301, Introduction To Criminal Justice

### 1.1 Division-Department

Career and Technology Criminal Justice

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

**General  
 Education  
 (Use for  
 LEAPs)**      General  
 Education  
 Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will analyze the criminal justice process and the parties involved.

#### 1.4.2 Learning Activities

Students will demonstrate their knowledge of the criminal justice system by distinguishing between the steps from arrest to trial and identifying the parties involved in quizzes and written assignments.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### General Outcomes Links

**Strategic Plan (Use for  
 Administrative Outcomes)**

1 Enhance the  
 Student

1.4.2

Increase course completion rates in workforce  
 education courses

#### 1.4.4 Measure of Success

60% of evaluated students will score at least 77% in both quiz and written assignments, thereby demonstrating critical thinking and career entry skills.

Program Name: CRIJ.1310

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

CRIJ 1310, Fundamentals Of Criminal Law

### 1.1 Division-Department

Career and Technology Criminal Justice

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will be able to recognize the major penal offenses and penalties in Texas.

#### 1.4.2 Learning Activities

Analyze fact situations to determine what offense has been committed in quizzes; and in written assignments analyze the major offenses in Texas.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 1.4.4 Measure of Success

60% of evaluated students will score at least 77% in both review and written assignments, thereby demonstrating critical thinking and career entry skills.

Program Name: CRIJ.2328

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

CRIJ 2328, Police Systems and Practices

### **1.1 Division-Department**

Career and Technology Criminal Justice

### **1.2 Course Type**

WECM Course (nonTransfer)

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

Discuss and explain the establishment of organized police departments and the special problems with police departments.

#### **1.4.2 Learning Activities**

Quizzes, assignments and discussions will evaluate the outcomes based upon the developed Rubric.

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

70/77

70% of students completing course will score 77 or higher based on rubric outcome.

Program Name: CSME.1430

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

CSME 1430, Orientation to Nail Technology

### 1.1 Division-Department

Career and Technology - Manicure Technology

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Mastery of hand and arm manipulation and the importance of proper safety and sanitation application

#### 1.4.2 Learning Activities

Hands on demonstrations will be presented to students by Instructor in accordance with Texas Department of Licensing and Regulation. Students then will present their own demonstration to communicate skills obtained.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 1.4.4 Measure of Success

90%of students completing the Manicure program will be able to accurately perform a manicure and pedicure in compliance with TDLR guidelines to attain entry-level employment in a target occupation.

Program Name: CSME.1431

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

CSME 1431, Principles of Nail Technology

### 1.1 Division-Department

Workforce Education - CSME, 1431 Manicure Technology

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will learn to describe the structure and composition of the skin, disorders and prevention

#### 1.4.2 Learning Activities

Students will create and label a columnar chart of the skins structure, composition, disorders and prevention.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 1.4.4 Measure of Success

90% of students completing the chart as assigned will demonstrate mastery of academic skills and abilities used to design the project.

Program Name: CSME.1441

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

CSME 1441, Principles of Nail Technology II

### 1.1 Division-Department

Workforce Education - Manicure Technology

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

## 1.4 Measured Outcome

### 1.4.1 Student Learning Outcomes

Discuss the different forms of matter and how it relates to the body

### 1.4.2 Learning Activities

Students will participate in group experiments and classroom discussion

### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4.4 Measure of Success

Students will gather information through classroom discussion and group experiments to create an oral presentation to be presented to the class and instructor.

Program Name: CSME.1453

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

CSME 1453, Chemical Reformation and Related Theory

### 1.1 Division-Department

Workforce Education-Cosmetology

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

Chemical Reformation

#### 1.4.1 Student Learning Outcomes

Students will demonstrate Chemical reformation. This will allow them to perform Chemical services on patrons.

#### 1.4.2 Learning Activities

Students will perform hands-on techniques of scalp and hair analysis, demonstrate effective perm, straightening and relaxing techniques on manikins.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 1.4.4 Measure of Success

85% of the students completing the chemical portion of this class, will be able to successfully

demonstrate safe and effective perm, straightening and relaxing techniques, along with passing a written exam.

Program Name: CSME.2443

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

2443: Salon Development

### 1.1 Division-Department

Workforce Education Cosmetology

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

Salon Business Plan

#### 1.4.1 Student Learning Outcomes

Students will plan a salon business and this will help them understand the operation and management of a salon

#### 1.4.2 Learning Activities

Students will construct a business plan by composing an online portfolio for a salon business

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 1.4.4 Measure of Success

85% of the students will successfully complete (receive 70 points or more) their online portfolio salon plan.

Program Name: CSME.2541

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

2541 Preparation for State Licensing

### 1.1 Division-Department

Workforce Education Cosmetology

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

State Licensing exam preparation

#### 1.4.1 Student Learning Outcomes

Students will self-assess their knowledge and skills to examine their readiness for the Texas state licensing exam

#### 1.4.2 Learning Activities

Students will select practice tests to participate recalling information for the five areas of assessment on the Texas state licensing exam: licensing and regulation, infection control, hair and scalp care, nail care, and skin care. Students will report in a survey the practice test scores and the number of practice exams she/he chose to participate with.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
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#### 1.4.4 Measure of Success

70% of the students will report completing practice tests in each area with shown growth in practice scores.

Program Name: DFTG.1305

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

DFTG 1305, Technical Drafting

### 1.1 Division-Department

Career and Technology - Drafting

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

The student will demonstrate the ability to visualize a right side view of an object based solely on a given top and front view of said object.

#### 1.4.2 Learning Activities

Lecture and demonstration will be utilized to give the student the tools to learn how to visualize an object in 3D space. Multiple exercises will be given in order to practice creating visualized views. Exercise 18 will be provide a top and front view of a basic object. The student will then prepare 4 different possible solutions to the exercise. To date there have been 65 possible solutions to this exercise submitted.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 1.4.4 Measure of Success

70% of evaluated students will complete the drawing exercise to 100% accuracy based on previously

identified solutions to the exercise.

[18](#) [PDF 18 KB AUG 30, 2019]

Program Name: DFTG.1309 (TDCJ)

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

DFTG 1309, Basic Computer Aided Drafting

### 1.1 Division-Department

TDCJ-Drafting

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Technology	Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will be able to demonstrate the use of Computer Aided Drafting (CAD) software to create, display, and plot properly formatted engineering working drawings, utilizing the TVCC Drafting title block, line types, line weights, line colors, and other applicable ANSI Standards.

#### 1.4.2 Learning Activities

At the end of the course a CAD drawing project will be produced. The student will use the Autodesk software to create this project. This project will be evaluated for proper views, line quality, line types, line colors, and dimensions. This CAD project demonstrates using technology in communicating the correct size, shape, appearance, and material of an object to be manufactured.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Technology	Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### **1.4.4 Measure of Success**

75% of evaluated students will complete the CAD drawing project and demonstrate 70% mastery of the use of technology in communicating the correct size, shape, appearance, and material of an object to be manufactured.

[DFTG 1309 RUBRIC](#) [DOCX 14 KB MAR 7, 2019]

Program Name: DFTG.1310

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

DFTG 1310, Specialized Basic Computer-Aided Drafting (CAD)

### 1.1 Division-Department

Career and Technology - Mechanical Engineering Technology

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Utilizing Computer Aided Design (CAD) software, students will construct 2D and 3D models/assemblies/drawings and exhibit proper dimensioning/design techniques. To use learned techniques to independently design, evaluate, and create functioning parts.

#### 1.4.2 Learning Activities

Students will complete a "Final Project" in which they will be required to design and construct a 3D computer aided drafting model. The model will be evaluated for completion and accuracy.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### General Outcomes Links

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

**1.4.4 Measure of Success**

Evaluation - 60% of students tested completing the required "Final Project" and exhibiting 75% mastery of the required techniques in creating 3D computer-aided models.

Program Name: DFTG.1317 (TDCJ)

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

DFTG - 1417

### 1.1 Division-Department

TDCJ - Drafting

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Technology	Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Utilizing Computer Aided Drafting (CAD) software, the student will construct a complete set of working drawings for a residential structure. The plan set will include four elevation views, floor plan, foundation plan, roof plan, framing plan, electrical plan, furniture plan, and presentation plan.

#### 1.4.2 Learning Activities

Through instructor led demonstrations, project examples, design guidelines, and residential codes, the student will demonstrate the ability to create proper working drawings for a residential structure. They will demonstrate proper use of design criteria and proper use of residential building codes. The plans will be evaluated for proper adherence to codes, proper dimensioning, proper annotation, and proper arrangement of drawing sheets in the set.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Technology	Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### **1.4.4 Measure of Success**

75% of the students evaluated will complete the required drawings in the residential plan set and demonstrate a 70% mastery of the skills and knowledge base of the codes required to create the plan set.

[DFTG 1317 RUBRIC](#) [DOCX 14 KB MAR 7, 2019]

Program Name: DFTG.1409

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

DFTG 1409, Basic Computer Aided Drafting

### 1.1 Division-Department

Career and Technology Division - Drafting

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Technology      Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will be able to demonstrate the use of Computer Aided Drafting (CAD) software to create, display, and plot properly formatted engineering working drawings, utilizing the TVCC Drafting title block, line type and line color standards.

#### 1.4.2 Learning Activities

End of course CAD drawing project will be produced. This project will be evaluated for proper views, line types, line colors, dimensions, and proper use of sections based upon the developed Rubric. This CAD project demonstrates using technology in communicating the correct size, shape, appearance, and material of an object to be created.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### General Outcomes Links

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking      Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Career Entry Skills (CE): Students will be able to demonstrate academic

**Career Entry Skills** skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### **1.4.4 Measure of Success**

70% of evaluated students will complete the CAD drawing project and demonstrate 75% mastery of the use of technology in communicating the correct size, shape, appearance, and material of an object to be created.

Program Name: DFTG.1457

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

### **1.1 Division-Department**

### **1.2 Course Type**

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

#### **1.4.2 Learning Activities**

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

Program Name: DFTG.1457 (TDCJ)

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

DFTG 1457

### 1.1 Division-Department

TDCJ - Drafting

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Technology	Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Utilizing Computer Aided Design (CAD) software, students will construct 2D and 3D models, assemblies, and drawings. They will exhibit proper dimensioning and design techniques. They will use the learned techniques to independently design, evaluate, and create functioning parts.

#### 1.4.2 Learning Activities

The student will use guided tutorials and instructor led demonstrations to design and construct 3D computer aided drafting models. The models will be evaluated for proper dimensioning, completion, and accuracy. Independent assignments to demonstrate innovative synthesis of design techniques, 3D model creation, and part prototyping.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking Skills (CT): To include creative thinking, innovation,

Critical Thinking	inquiry, and analysis, evaluation and synthesis of information
Technology	Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### **1.4.4 Measure of Success**

75% of evaluated students will complete the required exercises and tests and demonstrate 70% mastery in creating 3D models exhibiting proper design techniques.

[DFTG 1457 RUBRIC](#) [DOCX 14 KB MAR 7, 2019]

Program Name: DFTG.2332

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

DFTG 2332, Advanced Computer Aided Drafting

### 1.1 Division-Department

Career and Technology Division - Drafting

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Technology      Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

The student will demonstrate the ability to prepare a 3D computer model to be printed by the MakerBot 3D printer and then operate the printer to produce the plastic model.

#### 1.4.2 Learning Activities

The instructor will demonstrate the correct procedure for preparing the model for printing. The instructor will then lead the student through an example part preparation. The student will then utilize an already completed 3D model exercise, prepare it for printing, transfer it to the 3D printer and execute the build.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### General Outcomes Links

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Technology      Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating

Career Entry Skills (CE): Students will be able to demonstrate academic

**Career Entry Skills** skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### **1.4.4 Measure of Success**

70% of evaluated students will complete the preparation and execution of the 3D printed model.

90% mastery of the proper preparation of the model will be observed by comparing dimensions of the 3D printed plastic part to the CAD model.

Program Name: DRAM.1310

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

DRAM 1310, Introduction to Theater

### 1.1 Division-Department

Fine Arts - Drama

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students who complete DRAM 1310 Theatre Appreciation will be able to define theatre and its role within society, demonstrate a clear understanding of how theatrical performances are created both in and out of a traditional theatre environment, and justify their thoughts and opinions on a performance using specific examples to illustrate their points and defend their arguments.

#### 1.4.2 Learning Activities

The performance critique will be used to assess critical thinking, social responsibility, and communication. Critical thinking skills are needed to critically analyze the performance and provide bases for their opinions, it would be a fulfillment of a social responsibility to participate in a social event such as attending a public performance of some kind and participate as an effective audience member, and the written critique would provide assessment of communication skills.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General**      General

<b>Education (Use for LEAPs)</b>	Education Outcomes
Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

**1.4.4 Measure of Success**

Social Responsibility-- 90% of the students will achieve 100% of the points available on the social responsibility portion of the rubric due to their attendance of the theatrical performance

Communication-- 75% of the possible points on a rubric that assesses their communication skills, based on effective writing criteria

Critical Thinking-- 70% will score at least 75% of the possible points on a rubric that assesses the quality of their analysis and support for their opinions

**1.5 Measured Outcome**

**1.5.1 Student Learning Outcomes**

Students who complete DRAM 1310 Theatre Appreciation will be able to demonstrate an understanding of the collaborative process.

**1.5.2 Learning Activities**

A group project will be used to assess teamwork skills. This project will allow students to collaborate by working together to present or submit a unified concept, designs, and performance (performance optional) of the selected play or scene. Each group member will be assigned or assign amongst themselves roles designated by the instructor. This project utilizes and demonstrates the imperativeness of working with others in a theatrical production process and would provide assessment for teamwork.

**1.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

**1.5.4 Measure of Success**

TW: 90% will be present for the teamwork portion of the assignment and will fulfill the expectations of being an effective participant in a group assignment by working to assist the group to achieve its goal.

Program Name: DRAM.2366

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

DRAM 2366, Introduction to Cinema

### 1.1 Division-Department

Fine Arts - Drama

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Develop criteria for judging a films effectiveness

#### 1.4.2 Learning Activities

Students will make connections between the various film practitioners utilized in a film production and present an argument for how effective they were in unifying the elements by writing a formal critique of the production.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education (Use  
for LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
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#### 1.4.4 Measure of Success

75% of students who submit a critique will score 80%, or at least 20 points, on the critical thinking section of the scoring rubric that will assess their analysis of the unifying elements of the film using appropriate cinematic vocabulary.

### 1.5 Measured Outcome

#### 1.5.1 Student Learning Outcomes

Examine the film industry as an art form and a creative expression;

#### 1.5.2 Learning Activities

Students will complete an oral or written critique that accesses the connection of content with the main topics of the presentation.

#### 1.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

#### 1.5.4 Measure of Success

75% of students who submit a critique will score 80%, or at least 20 points, on the communication section of the scoring rubric.

### 1.6 Measured Outcome

#### 1.6.1 Student Learning Outcomes

Demonstrate a knowledge of the contributions of contemporary filmmakers;

#### 1.6.2 Learning Activities

Students work in groups of two to four and will conduct a social/comparative analysis of a film directors work. The students will be assessed on the synthesis of the final project and performance within the group.

#### 1.6.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose

or goal

#### 1.6.4 Measure of Success

75% of students who submit an analysis will score 80%, or at least 20 points, on the teamwork section of the scoring rubric that will assess their participation in group activities.

### 1.7 Measured Outcome

#### 1.7.1 Student Learning Outcomes

Examine the major social, technological, and economic considerations in the development of the film industry.

#### 1.7.2 Learning Activities

Examine the major social, technological, and economic considerations in the development of the film industry.

#### 1.7.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
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#### 1.7.4 Measure of Success

75% of students who submit at least one critique will score at least 80%, or earn at least 20 point, on the social responsibility section of the scoring rubric that will assess their ability to describe societal and cultural shifts, technical innovation, and economic considerations of the film.

Program Name: ECON.2301

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course ECON 2301, Principles of Macroeconomics

### 1.1 Division-Department Social Sciences - Economics

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Identify the determinants of supply and demand; demonstrate the impact of shifts in both market supply and demand curves on equilibrium price and output.

#### 1.4.2 Learning Activities

Students will attend class and/or do the assigned readings related to the Law of Supply and Demand. Students will be tested at the end of the unit of study and a block of questions and/or discussions will be devoted to the desired outcome statement. The questions and/or discussions will evaluate factual knowledge and will also require critical thinking and application skills.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### General Outcomes Links

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
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Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

#### 1.4.4 Measure of Success

Students will attend class and/or do the assigned readings related to Money, the Banking System, and the Central Bank. Students will be tested at the end of the unit of study and a block of questions and/or discussions will be devoted to the desired outcome statement. The questions and/or discussions will evaluate factual knowledge and will also require critical thinking and application skills.

[EconomicsRubric2019](#) [XLSX 12 KB AUG 27, 2019]

### 1.5 Measured Outcome

#### 1.5.1 Student Learning Outcomes

Define money and the money supply; describe the process of money creation by the banking system and the role of the central bank.

#### 1.5.2 Learning Activities

Students will attend class and/or do the assigned readings related to Money, the Banking System, and the Central Bank. Students will be tested at the end of the unit of study and a block of questions and/or discussions will be devoted to the desired outcome statement. The questions and/or discussions will evaluate factual knowledge and will also require critical thinking and application skills. The revised rubric is attached.

[EconomicsRubric2019](#) [XLSX 12 KB AUG 27, 2019]

#### 1.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

#### 1.5.4 Measure of Success

70% of students will score a minimum of 70% of correct answers on the related questions. The

assessment and rubric was revised for this reporting period. The first part of the assessment is a multiple choice test which demonstrates EQ and CT. The second part is an assignment based upon a current issue which demonstrates PR and SR. Both are graded based upon the common rubric which is attached.

[EconomicsRubric2019](#) [XLSX 12 KB AUG 27, 2019]

Program Name: ECON.2302

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course ECON 2302, Principles of Microeconomics

### 1.1 Division-Department Social Sciences - Economics

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Identify the determinants of supply and demand; demonstrate the impact of shifts in both market supply and demand curves on equilibrium price and output.

#### 1.4.2 Learning Activities

Students will attend class and/or do the assigned readings related to the Law of Supply and Demand. Students will be tested at the end of the unit of study and a block of questions and/or discussions will be devoted to the desired outcome statement. The questions and/or discussions will evaluate factual knowledge and will also require critical thinking and application skills.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### General Outcomes Links

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
-------------------	---

Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

#### 1.4.4 Measure of Success

70% of the tested students will score a minimum of 70% correct answers on the related questions. The assessments and rubric was revisited for this cycle. The first part of the assessment is a multiple choice test which demonstrates EQ and CT. The second part is an assignment which demonstrates PR and SR. Both are graded on a common rubric which is attached.

[EconomicsRubric2019](#) [XLSX 12 KB AUG 27, 2019]

### 1.5 Measured Outcome

#### 1.5.1 Student Learning Outcomes

Describe governmental efforts to address market failure such as monopoly power, externalities, and public goods.

#### 1.5.2 Learning Activities

Students will attend class and/or do the assigned readings related to governmental efforts to address market failure such as monopoly power, externalities, and public goods. Students will be tested at the end of the unit of study and a block of questions and/or discussions will be devoted to the desired outcome statement. The questions and/or discussions will evaluate factual knowledge and will also require critical thinking and application skills. They are graded on a common rubric which is attached.

[EconomicsRubric2019](#) [XLSX 12 KB AUG 27, 2019]

#### 1.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

#### 1.5.4 Measure of Success

70% of students will score a minimum of 70% of correct answers on the related questions. The

assessments and rubrics were revised for this cycle since the subject was shifted from workforce to academic division.

Program Name: EDUC/PSYC.1300

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

EDUC 1300, Learning Framework

### 1.1 Division-Department

College Readiness

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will demonstrate an understanding of the foundational models of communication by developing a PowerPoint presentation.

#### 1.4.2 Learning Activities

The My Best Fit project will employ the following features:

- Students will create and submit a PowerPoint which will be evaluated by the instructor for mechanics, structure, and connection of content with main topic, logic and accuracy and depth of content. The scoring rubric will be used to evaluate the appropriateness and effectiveness of the written communication of the presentation.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education (Use**      General  
Education

**for LEAPs)      Outcomes**

## Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

**1.4.4 Measure of Success**

75% of students who submit a My Best Fit project will score at least 70% of the available points on the PowerPoint rubric.

**1.5 Measured Outcome****1.5.1 Student Learning Outcomes**

Student will research various campus student organizations.

**1.5.2 Learning Activities**

Using a template, student will obtain information about campus organizations. This information may be obtained online, as well as by contacting directors of the various organizations. Students will determine the purpose and goals of the student organizations, community service projects performed by the organizations, and important dates of events associated with these student organizations.

**1.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)***General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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## Social Responsibility

Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

**1.5.4 Measure of Success**

75% of students will demonstrate success at Social Responsibility by earning at least 70% of the allotted points for this topic. A rubric will be used to measure the thoroughness of their research.

**1.6 Measured Outcome****1.6.1 Student Learning Outcomes**

Student will make an informed decision on choosing a transfer college with a major.

**1.6.2 Learning Activities**

Using the My Best Fit project students will compare colleges and majors and make an informed decision on the best college for them.

**1.6.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

**1.6.4 Measure of Success**

75% if students will demonstrate success at Critical Thinking b earning at least 70% of the allotted points for this topic based on the rubric.

**1.7 Measured Outcome****1.7.1 Student Learning Outcomes**

Students will research and analyze the costs of obtaining a specific degree at their chosen college, investigate the salaries and benefits of the chosen career, and devise a calendar to evaluate the time needed to complete the pathway to their career.

**1.7.2 Learning Activities**

Using a template, students will obtain the information required, and then include it in the capstone project. Students will demonstrate understanding of the real costs and benefits involved with the chosen career. Students will also map out a realistic calendar for the completion of their education, and calculate the associated costs for being in school over this period.

**1.7.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)***General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

**1.7.4 Measure of Success**

75% of students will demonstrate success at Empirical and Quantitative Skills by earning at least 70% of the allotted points for this topic. A rubric will be used to measure the thoroughness of their research.

Program Name: ELPT.1221

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

ELPT 1221, Introduction to Electrical Safety and Tools

### **1.1 Division-Department**

TDCJ - Electrical Technology

### **1.2 Course Type**

WECM Course (nonTransfer)

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

Read the required chapters complete reviews and assignments related to the chapters and test on each chapter.

#### **1.4.1 Student Learning Outcomes**

Students should have a working understanding electrical hazards and how to avoid them. Also the student will be able to demonstrate safe working habits with hand and power tools.

#### **1.4.2 Learning Activities**

Read the required chapters complete reviews and assignments related to the chapters and test on each chapter.

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

70% of the evaluated students will demonstrate an ability of 70% mastery of the objective

Program Name: ELPT.1225

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

### **1.1 Division-Department**

### **1.2 Course Type**

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

#### **1.4.2 Learning Activities**

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

Program Name: ELPT.1291

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

### **1.1 Division-Department**

### **1.2 Course Type**

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

#### **1.4.2 Learning Activities**

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

Program Name: ELPT.1405

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

### **1.1 Division-Department**

### **1.2 Course Type**

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

#### **1.4.2 Learning Activities**

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

Program Name: ELPT.1411

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

### **1.1 Division-Department**

### **1.2 Course Type**

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

#### **1.4.2 Learning Activities**

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

Program Name: ELPT.1429

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

ELPT 1429, Residential Wiring

### **1.1 Division-Department**

TDCJ - Electrical Technology

### **1.2 Course Type**

WECM Course (nonTransfer)

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

Read the required chapters complete reviews and assignments related to the chapters and test on each chapter.

#### **1.4.1 Student Learning Outcomes**

Students should have an understanding of hardware, materials, tools, building plans and understand general NEC requirements for rough-in wiring used in residential wiring.

#### **1.4.2 Learning Activities**

Read the required chapters, complete reviews and assignments related to the chapters and test on each chapter.

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

70% of the evaluated students will demonstrate an ability of 70% mastery of the objective

Program Name: ELPT.1445

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

### **1.1 Division-Department**

### **1.2 Course Type**

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

#### **1.4.2 Learning Activities**

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

Program Name: ELPT.2239

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

ELPT 2239, Electrical Power Distribution

### **1.1 Division-Department**

TDCJ - Electrical Technology

### **1.2 Course Type**

WECM Course (nonTransfer)

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

Read the required chapters complete reviews and assignments related to the chapters and test on each chapter.

#### **1.4.1 Student Learning Outcomes**

Students should have a working understanding of Design, operation, and technical details of modern power distribution systems including, generating equipment, transmissions lines, plant distribution and protective devices. Includes calculations of fault current, system load analysis, Branch circuit, Feeder Circuit, and Service Entrance Requirements.

#### **1.4.2 Learning Activities**

Read the required chapters complete reviews and assignments related to the chapters and test on each chapter.

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

70% of the evaluated students will demonstrate an ability of 70% mastery of the objective.

Program Name: ENGL.1301

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

ENGL 1301, Composition I

### 1.1 Division-Department

Language Arts - English

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

Personal Responsibility

Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will demonstrate knowledge of individual and collaborative writing processes.

#### 1.4.2 Learning Activities

Students will work in groups to prepare a written essay analyzing and researching an approved topic. Papers will be graded for content, logic, accuracy, structure, and mechanics. Teamwork will be evaluated for participation, synthesis of work, and sharing work. Students will self-analyze, link the class to real life, and employ research strategies to generate a written product in the form of a researched essay.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

#### **1.4.4 Measure of Success**

60% of enrolled students will (suggested learning activity) and demonstrate at least 70% mastery in (core objectives)

Program Name: ENGL.1302

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

ENGL 1302, Composition II

### 1.1 Division-Department

Language Arts - English

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

Personal Responsibility

Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will Demonstrate knowledge of individual and collaborative writing processes.

#### 1.4.2 Learning Activities

Students will prepare a written essay analyzing and researching an approved topic. Papers will be graded for content, logic, accuracy, structure, and mechanics. Teamwork will be evaluated for participation in a peer review. Students will self-analyze, link the class to real life, and employ research strategies to generate a written product in the form of a researched essay.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills (CM): To include effective development,

Communication Skills	interpretation and expression of ideas through written, oral and visual communication
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

#### **1.4.4 Measure of Success**

65% of enrolled students will complete/submit (suggested learning activity) and demonstrate at least 70% mastery in each core objective.

Program Name: ENGL.2311

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

ENGL 2311, Technical and Business Writing

### 1.1 Division-Department

Language Arts - English

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

Personal Responsibility

Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will demonstrate knowledge of individual and collaborative writing processes.

#### 1.4.2 Learning Activities

Students will prepare a written essay analyzing and researching an approved topic. Papers will be graded for content, logic, accuracy, structure, and mechanics. Teamwork will be evaluated by the completion of a peer review. Students will self-analyze, link the class to real life, and employ research strategies to generate a written product in the form of a researched essay.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills (CM): To include effective development,

Communication Skills	interpretation and expression of ideas through written, oral and visual communication
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

#### **1.4.4 Measure of Success**

70% of enrolled students will (suggested learning activity) and demonstrate at least 70% mastery in (core objective)

Program Name: ENGL.2322

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

ENGL 2322, British Literature I

### 1.1 Division-Department

Language Arts - English

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Write research-based critical papers about the assigned readings in clear and grammatically correct prose, using various critical approaches to literature.

#### 1.4.2 Learning Activities

Students will prepare a written essay analyzing and researching an approved topic related to the differing time periods, cultures, and/or literary elements. Papers will be graded for content, logic, accuracy, structure, and mechanics. Students will self-analyze, link the class to real life, and employ research strategies to generate a written product (WP) in the form of a researched essay.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

#### **1.4.4 Measure of Success**

65% of enrolled students will complete (suggested learning activity) and demonstrate at least 70% mastery in (core objectives)

Program Name: ENGL.2323

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

ENGL 2323, British Literature II

### 1.1 Division-Department

Language Arts - English

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will prepare a written essay analyzing and researching an approved topic related to the differing time periods, cultures, and/or literary elements. Papers will be graded for content, logic, accuracy, structure, and mechanics. Students will self-analyze, link the class to real life, and employ research strategies to generate a written product (WP) in the form of a researched essay

#### 1.4.2 Learning Activities

Students will write a research paper comparing the differing time periods, cultures, and/or literary elements found in which the student will present an argument and provide justification for their observations and where the grading of the essay will be based, at least in part, on the students accuracy and/or depth of presentation.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education**      General  
Education

<b>(Use for LEAPs)</b>	<b>Outcomes</b>
Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

#### **1.4.4 Measure of Success**

60% of enrolled students will (suggested learning activity) and demonstrate at least 70% mastery in (core objectives)

Program Name: ENGL.2327

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

ENGL 2327, American Literature I

### 1.1 Division-Department

Language Arts - English

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will prepare a written essay analyzing and researching an approved topic related to the differing time periods, cultures, and/or literary elements. Papers will be graded for content, logic, accuracy, structure, and mechanics. Students will self-analyze, link the class to real life, and employ research strategies to generate a written product (WP) in the form of a researched essay

#### 1.4.2 Learning Activities

Students will write a research paper comparing the differing time periods, cultures, and/or literary elements found in which the student will present an argument and provide justification for their observations and where the grading of the essay will be based, at least in part, on the students accuracy and/or depth of presentation.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education**      General  
Education

<b>(Use for LEAPs)</b>	<b>Outcomes</b>
Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

#### **1.4.4 Measure of Success**

65% of enrolled students will complete (suggested learning activity) and demonstrate at least 70% mastery in (core objectives)

Program Name: ENGL.2328

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

ENGL 2328, American Literature II

### 1.1 Division-Department

Language Arts - English

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Write research-based critical papers about the assigned readings in clear and grammatically correct prose, using various critical approaches to literature.

#### 1.4.2 Learning Activities

Students will prepare a written essay analyzing and researching an approved topic related to the differing time periods, cultures, and/or literary elements. Papers will be graded for content, logic, accuracy, structure, and mechanics. Students will self-analyze, link the class to real life, and employ research strategies to generate a written product (WP) in the form of a researched essay

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

#### **1.4.4 Measure of Success**

60% of enrolled students will (suggested learning activity) and demonstrate at least 70% mastery in (core objectives)

Program Name: ENGL.2332

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

ENGL 2332, World Literature I

### 1.1 Division-Department

Language Arts - English

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Write research-based critical papers about the assigned readings in clear and grammatically correct prose, using various critical approaches to literature.

#### 1.4.2 Learning Activities

Students will prepare a written essay analyzing and researching an approved topic related to the differing time periods, cultures, and/or literary elements. Papers will be graded for content, logic, accuracy, structure, and mechanics. Students will self-analyze, link the class to real life, and employ research strategies to generate a written product (WP) in the form of a researched essay

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

#### **1.4.4 Measure of Success**

60% of enrolled students will (suggested learning activity) and demonstrate at least 70% mastery in (core objectives)

Program Name: ENGL.2333

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

ENGL 2333, World Literature II

### **1.1 Division-Department**

Language Arts - English

### **1.2 Course Type**

Academic TVCC Core Course (Transfer)

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

Students will prepare a written essay analyzing and researching an approved topic related to the differing time periods, cultures, and/or literary elements. Papers will be graded for content, logic, accuracy, structure, and mechanics. Students will self-analyze, link the class to real life, and employ research strategies to generate a written product (WP) in the form of a researched essay

#### **1.4.2 Learning Activities**

Students will write a research paper comparing the differing time periods, cultures, and/or literary elements found in which the student will present an argument and provide justification for their observations and where the grading of the essay will be based, at least in part, on the students accuracy and/or depth of presentation.

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

60% of enrolled students will (suggested learning activity) and demonstrate at least 70% mastery in (core objectives)

Program Name: FIRT.1305

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

FIRT 1305 - Public Education Programs

**1.1 Division-Department** Career and Technology Division - Fire Science

### **1.2 Course Type**

WECM Course (nonTransfer)

**1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

Students will demonstrate the implementation of a fire and life safety education program by selecting a prepared lesson plan, developing a relevant visual aid, and presenting the information to a specific audience.

#### **1.4.2 Learning Activities**

- 1) Choose a fire and life safety lesson plan prepared by NFPA or other industry recognized source that is appropriate for the audience.
- 2) Prepare a visual aid or activity for use during the presentation.
- 3) Upload a video recording of the student giving the presentation.

**1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

75% of evaluated students will demonstrate 70% mastery of the presentation of a prepared lesson plan with emphasis on logical organization, content knowledge, and presentation skills.

Program Name: FIRT.1315

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

FIRT 1315 - Hazardous Materials 1

### **1.1 Division-Department**

Career and Technology Division - Fire Science

### **1.2 Course Type**

WECM Course (nonTransfer)

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

Students will demonstrate their ability to identify hazardous materials and determine the appropriate level of response by evaluating information given during a scenario.

#### **1.4.2 Learning Activities**

- 1) The student will be given a scenario involving hazardous materials.
- 2) The student will identify the hazardous material involved in the scenario.
- 3) Provided an Emergency Response Guidebook (ERG), the student will identify the correct guide number, describe the threats associated with the hazardous material, and develop an incident action plan.

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

60% of evaluated students will correctly identify the hazardous material, select the appropriate guide number, and develop an incident action plan consistent with their level of training.

Program Name: FIRT.1327

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

FIRT 1327 - Building Construction

### **1.1 Division-Department**

Career and Technology Division - Fire Science

### **1.2 Course Type**

WECM Course (nonTransfer)

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

Based on information provided in a scenario, students will demonstrate their ability to identify various types of building construction and determine any threats that are commonly associated with that construction type under fire conditions.

#### **1.4.2 Learning Activities**

- 1) The student will be given a scenario that describes building construction features and fire conditions.
- 2) The student will identify the construction type involved in the scenario.
- 3) The student will describe common hazards associated with the identified construction type when under fire conditions.

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

70% of evaluated students will demonstrate at least 75% mastery of the identification of building construction types and the hazards commonly associated with them.

Program Name: GAME.1303 (TDCJ)

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

GAME 1303, Introduction to Game Programming

### 1.1 Division-Department

TDCJ - Computer Information Technology

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

**1.4 Measured Outcome** Students will create a game program.

The students will demonstrate the ability to create a text based game program.

**1.4.1 Student Learning Outcomes** Students will create a game program.

The students will demonstrate an understanding of computer game program development and how it is used in the computer gaming industry.

#### 1.4.2 Learning Activities

Instructor created exams will be used to evaluate student comprehension of the computer systems and software. Performance on course assignments will be used to determine the students comprehension of the computer game programming development.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### 1.4.4 Measure of Success

70% of the evaluated students will demonstrate an ability of 70% mastery of the objective.

Program Name: GOVT.2305

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

GOVT 2305, Federal Government

### 1.1 Division-Department

Social Sciences - Government

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

### 1.4 Measured Outcome

Students will use new academic knowledge to apply fundamental principles of constitutional democracy in the U.S. to current real world settings. Students will contribute their opinions and concerns about community, state, or national issues and needs as they relate to U.S. Constitutional principles. They will compare and contrast the evolution and changes in constitutional interpretation. Students will accomplish this through political in class discussions, journals, discussion questions, essays, and / or presentations.

#### 1.4.1 Student Learning Outcomes

Explain the origin and development of constitutional democracy in the United States.

#### 1.4.2 Learning Activities

Students will use new academic knowledge to apply fundamental principles of constitutional democracy in the U.S. to current real world settings. Students will contribute their opinions and concerns about community, state, or national issues and needs as they relate to U.S. Constitutional principles. They will compare and contrast the evolution and changes in constitutional interpretation. Students will accomplish this through political in class discussions, journals, discussion questions, essays, and / or presentations.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

**1.4.4 Measure of Success**

60% of students will demonstrate an acceptable or exemplary rating rubric for spelling, attendance, etc. for each measured general education goal. This rubric is being reworked for this reporting cycle. Attached is the rubric.

[GovernmentRubric2](#) [XLSX 11 KB AUG 26, 2019]

Program Name: GOVT.2306

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

GOVT 2306, Texas Government

### 1.1 Division-Department

Social Sciences - Government

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Explain the origin and development of Texas Constitution

#### 1.4.2 Learning Activities

Students will use new academic knowledge to apply fundamental principles of constitutional democracy in the Texas to current real world settings. Students will contribute their opinions and concerns about community, state, or national issues and needs as they relate to Texas Constitutional principles. They will compare and contrast the evolution and changes in constitutional interpretation. Students will accomplish this through political in class discussions, journals, discussion questions, essays, and / or presentations. (CT, CM, PR, and SR)

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for**      General  
Education  
Outcomes

**LEAPs)**

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

**1.4.4 Measure of Success**

60% of students will demonstrate an acceptable or exemplary rating based upon a rubric for each measured general education goal. The rubric has been reworked for this cycle. It is attached.

[GovernmentRubric2](#) [XLSX 11 KB AUG 26, 2019]

Program Name: HALT.1401

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

HALT.1401, Principles of Horticulture

### 1.1 Division-Department

TDCJ horticulture

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Student will be able to visually identify all parts of a plant. Students will have to visually recognize and verbally identify parts of a plant.

#### 1.4.2 Learning Activities

Exams, discussion, teacher demonstration, and by properly identifying parts of the plant.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 1.4.4 Measure of Success

85% of students will demonstrate the knowledge and ability to properly identify plant parts with a 70% mastery of the objective.

Program Name: HALT.1422

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

HALT 1422, Horticulture Landscape Design

### **1.1 Division-Department**

TDCJ - Horticulture

### **1.2 Course Type**

WECM Course (nonTransfer)

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

The students will produce a landscape design on 11 X 17 Vellum paper utilizing plant selection, location, proper usage of space and plants, The students will use an engineer scale, pencil, and protractor. The project must have a legend, use symbols, and be neatly drawn.

#### **1.4.2 Learning Activities**

Reading, discussion and teacher demonstration, also examples will be viewed and accessible.

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

All students will be given a grading rubric. Points will be given for proper use of plants, design feasibility, and physical appearance (neatness, scale, legend use, etc..). All students will score at least an 85% to attain mastery on the project.

Program Name: HALT.2423

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

HALT 2423, Horticulture Pest Control

### **1.1 Division-Department**

TDCJ - Horticulture

### **1.2 Course Type**

WECM Course (nonTransfer)

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

The student will identify multiple insects and chemical controls for them. The insects will be those found in the greenhouse setting. Organic pest control will be discussed and practically applied by the student.

#### **1.4.2 Learning Activities**

Students will be able to properly identify chemical control for that insect. Through reading and discussion and teacher demonstration.

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

Students will score 75% or better on all written exams and lab exercises.

Program Name: HART.1301

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course HART 1301 Basic Electricity for HVAC

### 1.1 Division-Department Career and Technology - HVAC

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will be able properly and safely wire up low voltage and high voltage in a HVAC system.

#### 1.4.2 Learning Activities

Based on classroom theory and instructor led labs, each student will practice wiring up high voltage to indoor unit and outdoor unit and wiring up the low voltage to the indoor unit, outdoor unit, and thermostat.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 1.4.4 Measure of Success

90 percent of all students will demonstrate the ability to properly and safely wire up low voltage and high voltage in a HVAC system.

Program Name: HART.1345

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course HART 1345 Gas and Electric Heating

### 1.1 Division-Department Career and Technology - HVAC

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation
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### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will be able to identify the parts of a gas furnace and an electric air handler and their purpose and how they should operate.

#### 1.4.2 Learning Activities

Through classroom theory and instructor labs, each student will go through and study a gas furnace and electric air handler and describe their functions.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation
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#### 1.4.4 Measure of Success

90 percent of the students will be able to name components and describe their purpose.

Program Name: HART.1401 (TDCJ)

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

HART 1401, Basic Electricity for HVAC

### 1.1 Division-Department

TDCJ - Air Conditioning/Refrigeration

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Student will learn how to Identify different types of wiring diagrams, meter usage, motor testing, capacitor testing, as well as other electrical functions.

#### 1.4.2 Learning Activities

Schematic Reading  
Electrical Trainer  
Motor Testing  
Capacitor Testing  
Compressor Motor Testing  
Diagram Drawing  
Electrical Symbols  
Circuit Board Testing  
Meter Usage  
Motor Data Plate Information

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain

entry-level employment in a target occupation

#### **1.4.4 Measure of Success**

75% of the evaluated students will demonstrate an ability of 80% mastery of the subject

Program Name: HART.1403 (TDCJ)

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

HART 1403, A/C Refrigerant Control Principles

### 1.1 Division-Department

TDCJ - Air Conditioning/Refrigeration

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Student will learn how to Identify different types of refrigerant control devices, pressure controls, electrical controls, interpreting wiring diagrams and troubleshooting methods.

#### 1.4.2 Learning Activities

Interpreting Wiring Diagrams  
Identify Motor Controls  
Identify Oil Controls]  
Identify Pressure Controls  
Identify Thermostat Controls  
Control Diagnosing  
Refrigerant Flow Controls  
Computer Lab Software Program

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### **1.4.4 Measure of Success**

75% of the evaluated students will demonstrate an ability of 80% mastery of the subject

Program Name: HART.1407 (TDCJ)

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

HART 1407, Refrigeration Principles

### **1.1 Division-Department**

TDCJ - Air Conditioning/Refrigeration

### **1.2 Course Type**

WECM Course (nonTransfer)

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

Students will learn the principles of heat, the basic refrigeration cycle, temperature/pressure relationship as well as being able to identify and use tools of this industry. Also learning to braze, and work with copper will be addressed.

#### **1.4.2 Learning Activities**

T/PCHART  
REFRIGERANT CYCLE  
TOOL IDENTIFICATION  
SURFACE PREPARATION  
CUTTING  
REAMING  
SWAGING  
FLARING  
SOFT SOLDERING  
BRAZING  
PRESSURE TEST  
TUBE BENDING  
SAFTEY TRAINING

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

75% of the evaluated students will demonstrate an ability of 80% mastery of the subject

Program Name: HART.1445 (TDCJ)

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

HART 1445, Gas and Electric Heating

### **1.1 Division-Department**

TDCJ - Air Conditioning/Refrigeration

### **1.2 Course Type**

WECM Course (nonTransfer)

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

Students will learn the principles and procedures used in servicing and troubleshooting heating systems including gas furnaces and electric heating units. The installation process is also covered in this section.

#### **1.4.2 Learning Activities**

Students will learn the principles and procedures used in servicing and troubleshooting heating systems including gas furnaces and electric heating units. The installation process is also covered in this section.

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

75% of the evaluated students will demonstrate an ability of 80% mastery of the subject

Program Name: HART.2349

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course HART 2349 Heatpumps

### 1.1 Division-Department Career and Technology - HVAC

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will be able to identify parts and there function in a heat pump and how they work.

#### 1.4.2 Learning Activities

Based on classroom theory and instructor led labs, each student will go through a heat pump system learning there parts and function and how the system works.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 1.4.4 Measure of Success

90 percent of the students will be to name the parts and there function and explain how a heat pump works.

Program Name: HIST.1301

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

HIST 1301, United States History I

### 1.1 Division-Department

Social Sciences - History

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will demonstrate effective written communication skills, critical thinking, personal responsibility and social responsibility.

#### 1.4.2 Learning Activities

Each student will write either a book or an article review that will be graded not only on content but also on proper grammar usage. (SR and PR)

Each written critique will reflect the ability to analyze the authors purpose in writing, fulfillment of that purpose. Students will required to indicate the ideological bias of the author of the secondary work in his or her conclusions. (CT and CM)

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for**      General  
Education  
Outcomes

**LEAPs)**

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

**1.4.4 Measure of Success**

60% of students will achieve a score or 50 or over from a rubric. The rubric has been reworked for this cycle. It is attached.

[HistoryRubric2019](#) [XLSX 11 KB AUG 26, 2019]

Program Name: HIST.1302

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

HIST 1302, United States History II

### 1.1 Division-Department

Social Sciences - History

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

*Plan Links*

#### Strategic Goals

##### **Action Area 1.3**

Academic Success

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will demonstrate effective written communication skills and critical thinking and social and personal responsibility by the activity.

#### 1.4.2 Learning Activities

Each student will write either a book or an article review that will be graded not only on content but also on proper grammar usage. (SR and PR)

Each written critique will reflect the ability to analyze the authors purpose in writing, fulfillment of that purpose. (CT and CM)

Students will required to indicate the ideological bias of the author of the secondary work in his or her conclusions (CT and CM)

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*Plan Links*

#### Strategic Goals

##### **Action Area 1.3**

Academic Success

#### 1.4.4 Measure of Success

60% of students assessed with achieve a score of 50 or greater on the rubric. The rubric has been reworked for this cycle and it is attached.

[HistoryRubric2019](#) [XLSX 11 KB AUG 26, 2019]

Program Name: HIST.2301

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

HIST 2301, Texas History

### **1.1 Division-Department**

Social Sciences - History

### **1.2 Course Type**

Academic TVCC Core Course (Transfer)

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

Students will demonstrate effective written communication skills

#### **1.4.2 Learning Activities**

Each student will write either a book or an article review that will be graded not only on content but also on proper grammar usage. (SR, PR)

Each written critique will reflect the ability to analyze the authors purpose in writing, fulfillment of that purpose. (CT and CM)

Students will required to indicate the ideological bias of the author of the secondary work in his or her conclusions (CR and CM)

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

No data for this cycle.

Program Name: HRPO.2301

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

HRPO 2301

### 1.1 Division-Department

Business and Computer Science - Management

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Communication Skills      Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome Develop a training program

The student will present their training plan and be utilizing their communication skills. These training skills will be useful when training other employees and will give the student necessary skills for their management careers as an entry level employee.

#### 1.4.1 Student Learning Outcomes

Develop a training program for the job of airline reservation clerk for a major airline.

#### 1.4.2 Learning Activities

Develop the outline of a training program for new airline reservation clerks, being specific on what you want to teach the new clerks including the methods and aids to use for training them and topics to be covered in a three day training schedule.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### General Outcomes Links

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Communication Skills      Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

**Career Entry Skills**

**Career Entry Skills (CE):** Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

**1.4.4 Measure of Success**

75% of the evaluated students will demonstrate an ability of 70% mastery of the objective.

[HR Training Outline checklist](#) [DOCX 33 KB AUG 9, 2019]

Program Name: HUMA.1301

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

HUMA 1301, Introduction to Humanities

### 1.1 Division-Department

Language Arts - Humanities

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

1. Students will gain understanding of the ways in which the Humanities engage, express, and inform diverse human experiences, situated within distinctive social, cultural, and historical settings, through the analysis and interpretation of works of art, religion, philosophy, and literature, selected from a variety of world cultures and apply multiple theoretical, critical, and analytical perspectives to the study of history, the arts, and the humanities, in order to interpret and appreciate the humanistic traditions of diverse cultures and peoples.

#### 1.4.2 Learning Activities

All students will be assessed of their understanding of the concept of dark and light in relation to the arts and the humanities. An essay question will be implemented to assess each students ability to communicate their comprehension of this concept. The essay question will be graded on a rubric based on a 4.0 scale. Expected results for this baseline use of the outcome are an average of 3.0 for Comprehension/Critical Thinking and 3.0 for Written Communication Skills.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

#### 1.4.4 Measure of Success

Indicates: 95% of enrolled students who attempted the suggested learning activity demonstrated at least 75% mastery of the specified assignment; 81% of enrolled students whether or not they attempted the assignment demonstrated mastery.

### 1.5 Measured Outcome

#### 1.5.1 Student Learning Outcomes

Students will communicate understanding of the major concept of darkness and light in relation to learning and the arts and provide concrete examples of this concept.

#### 1.5.2 Learning Activities

Assessment of student learning will take various forms, through multiple kinds of assignments that are appropriate to the methods of the discipline and the topics being studied. Essay will be the primary method for this assessment.

#### 1.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

#### 1.5.4 Measure of Success

Yes; see above data. The submission of the assignment reflects the PR by the students and the reaction to the topic involves SR as well.

Program Name: IMED.1316

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course 1 Course [IMED 1316 Web Design I]

IMED 1316 Web Design I

### 1.1 Division-Department Business and Computer Science

Business and Computer Science

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

Critical thinking and Technology

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Technology

Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating

### 1.4 Measured Outcome

Both Web Site Proposal and Final Web Project will count as 40% of final grade. Students who do not submit the final web project and web site proposal will fail the final project assignment. The number of students accessed (depending on ending enrollment number) will achieve a 70% or higher on final grade.

#### 1.4.1 Student Learning Outcomes

Student will submit a written website proposal that utilizes creating thinking and innovation to develop the layout of the final web project that will require them to synthesis of information, analyze targeted audience, and evaluate appropriate web structure and content.

Students will develop a final web project is based upon the written proposal utilizing technology to access information, solve a problem that was identified in the web site proposal, and to communicate the solution via web page. The web site must be at minimum 5 pages and include the following

1. Various types of links into web pages (internal, relative, absolute, graphical)
2. Various types of page organizations (headings, lists, tables, and frames)
3. Cascading Style Sheets (CSS) to format web pages
4. Interactive forms and other scripts
5. Various types of multimedia files (graphics, sounds, videos)

#### 1.4.2 Learning Activities

Students will write up a web site proposal that details the purpose, target audience, identified problem, goals of the site, success benchmarks, and the type of content they will be using. This proposal will be the framework of their final web project and is part of the final project.

Students will demonstrate mastery of the course content by coding, testing, debugging, and publishing a functional web site to an external web server. Students will be responsible for maintaining and

publishing the required assessment by the due date. Students who fail to submit both before or on the due date will receive an automatic F for the assignment.

**1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

Critical thinking and technology

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Technology

Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating

**1.4.4 Measure of Success** Grading Rubric

Seventy percent of the students accessed will achieve 70 percent or better on the evaluation tool.

[LEAP#1-WebProposal](#) [DOCX 15 KB OCT 25, 2019]

[LEAP#2 - Website Project](#) [DOCX 15 KB OCT 25, 2019]

Program Name: ITSE.1291 (TDCJ)

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

ITSE 1291, Special Topics in Computer Programming

### **1.1 Division-Department**

TDCJ - Computer Information Technology

### **1.2 Course Type**

WECM Course (nonTransfer)

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

The students will demonstrate an understanding of a program development and how it is used in the computer industry.

#### **1.4.2 Learning Activities**

Instructor created exams will be used to evaluate student comprehension of the computer systems and software. Performance on course assignments will be used to determine the students comprehension of the computer programming development.

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

70% of the evaluated students will demonstrate an ability of 70% mastery of the objective.

Program Name: ITSE.1307 (TDCJ)

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

ITSE 1307, Introduction to C++ Programming

### **1.1 Division-Department**

TDCJ - Computer Information Technology

### **1.2 Course Type**

WECM Course (nonTransfer)

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

The students will demonstrate an understanding of C++ computer program development and how it is used in the computer industry.

#### **1.4.2 Learning Activities**

Instructor created exams, Chapter questions, and projects from the textbook will be used to evaluate student comprehension of C++ program development. Performance on course assignments will be used to determine the students comprehension of computer program development.

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

70% of the evaluated students will demonstrate an ability of 70% mastery of the objective.

#### **1.4.4 Measure of Success**

70% of the evaluated students will demonstrate an ability of 70% mastery of the objective.

Program Name: ITSE.1325 (TDCJ)

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

ITSE 1325, Personal Computer Repair

### **1.1 Division-Department**

TDCJ - Computer Information Technology

### **1.2 Course Type**

WECM Course (nonTransfer)

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

The student will be able to disassemble a PC, Re-assemble that PC, and install an Operating System on that PC.

#### **1.4.2 Learning Activities**

Students will over the course of the class take one of several computers apart, put them back together, and load one of our Windows operating systems on that computer.

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

70% of the evaluated students will demonstrate an ability of 70% mastery of the objective.

Program Name: ITSE.1331 (TDCJ)

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

ITSE 1331, Visual Basic Programming

### **1.1 Division-Department**

TDCJ - Computer Information Technology

### **1.2 Course Type**

WECM Course (nonTransfer)

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

The students will demonstrate an understanding of Visual Basic computer program development and how it is used in the computer industry to develop Visual Applications.

#### **1.4.2 Learning Activities**

Instructor created exams, Chapter questions, and projects from the textbook will be used to evaluate student comprehension of the Visual Basic program development. Performance on course assignments will be used to determine the students comprehension of computer program development.

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

70% of the evaluated students will demonstrate an ability of 70% mastery of the objective.

#### **1.4.4 Measure of Success**

70% of the evaluated students will demonstrate an ability of 70% mastery of the objective.

Program Name: LGLA.1345

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

LGLA 1345, Civil Litigation - LGLA Department

### 1.1 Division-Department

Business and Computer Science

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

<b>Strategic Plan (Use for Administrative Outcomes)</b>	1 Enhance the Student
---	-----------------------

1.1 Student Engagement Student Engagement

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

The student will be able to identify, define, recognize the following elements in Civil Litigation.

#### 1.4.2 Learning Activities

Differentiate, recognize, identify between civil and criminal procedure; Recognize or identify the different types of civil litigation cases; Differentiate between primary and secondary sources of law;

List alternatives to litigation; distinguish exclusive jurisdiction from concurrent jurisdiction.

Recognize the different types of discoveries tools in an individual civil case.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

**1.4.4 Measure of Success**

70 percent of the evaluated students will score 70% or better on the evaluative instrument to demonstrate a mastery of the objective.

Program Name: LGLA.1407

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

LGLA 1307, Law and the Legal Profession

### 1.1 Division-Department

Business and Computer Science Division - LGLA Department

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

<b>Strategic Plan (Use for Administrative Outcomes)</b>	1 Enhance the Student
---	-----------------------

1.1 Student Engagement Student Engagement

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

The student will be able to identify, define, recognize the following elements of Law and the Legal Profession.

#### 1.4.2 Learning Activities

Recognize and describe what a paralegal is and recognize attributes to a professional paralegal;

Recognize and describe the major tasks that paralegals perform.

Recognize and describe the kinds of activities that paralegals are and are not legally permitted to perform.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities

necessary to attain entry-level employment in a target occupation

**Strategic Plan**           1  
**(Use for**                Enhance  
**Administrative**       the  
**Outcomes)**           Student

1.1 Student Engagement    Student Engagement

#### **1.4.4 Measure of Success**

70 percent of the evaluated students will score 70% or better on the evaluative instrument to demonstrate a mastery of the objective.

Program Name: LGLA.2313

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

LGLA 2313, Criminal Law and Procedure

### 1.1 Division-Department

Business and Computer Science Division - LGLA Department

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

<b>Strategic Plan (Use for Administrative Outcomes)</b>	1 Enhance the Student
---	-----------------------

1.1 Student Engagement Student Engagement

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

The student will be able to identify, define, recognize the following elements in Criminal Law and Procedure

#### 1.4.2 Learning Activities

Identify or describe the sources of American criminal law; Recognize or describe six factors that constitute the basic elements of a crime.

Identify or describe the three circumstances under Texas law when an individual is criminally responsible for another persons conduct

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

Student Engagement

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

**Strategic Plan** 1  
**(Use for** Enhance  
**Administrative** the  
**Outcomes)** Student

1.1 Student Engagement Student Engagement

#### **1.4.4 Measure of Success**

70 percent of the evaluated students will score 70% or better on the evaluative instrument to demonstrate a mastery of the objective.

Program Name: MATH.1314

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

MATH 1314 College Algebra

### 1.1 Division-Department

Mathematics

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Recognize and apply polynomial, rational, radical, exponential and logarithmic functions and solve related equations.

#### 1.4.2 Learning Activities

Homework requiring written solutions of polynomial, rational, radical, exponential and logarithmic equations will be assigned and graded upon each students written step-by-step justification for his/her solution, upon the logic of their written work, and upon the mechanics of a correct solution, the organization apparent in their solution, and the connection of their written work to the lesson at hand. Each principle will be applied to many slightly new situations. Students will need to choose among several approaches and to relate new material to older established mathematical methods. Solving problems on quizzes and tests will also be used to teach this outcome and will require the same format for problems.

A LEAP assessment will be given either as a separate instrument, with a major exam, or with the final exam.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General</b>	General
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<b>Education (Use for LEAPs)</b>	Education Outcomes
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Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

#### 1.4.4 Measure of Success

We will be using the same goals as last year for this gateway course. Alternative assignments and resources should be given to online students as well as face-to-face students to reinforce the concepts being taught pertaining to this topic and increase overall success rates. We are interested in improving the overall results of both the stand-alone and co-requisite (Deco) courses.

Deco students are required to complete mandatory tutoring if repeating the Deco course. In addition, Deco students taking the Deco course for the third time will be required to meet with a mentor.

CT: 70% for success / goal is 75% of assessed students are successful

CM: 70% for success / goal is 75% of assessed students are successful

EQ: 70% for success / goal is 75% of assessed students are successful

Program Name: MATH.1324

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

MATH 1324 Mathematics for Business and Social Sciences

### 1.1 Division-Department

Mathematics

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General</b>	General
<b>Education (Use</b>	Education
<b>for LEAPs)</b>	Outcomes

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Demonstrate fundamental probability techniques and application of those techniques, including expected value, to solve problems.

#### 1.4.2 Learning Activities

Students will be assigned to turn in homework problems requiring them to solve basic probability problems. They will be required to show step-by-step evolution of their results and to choose a logical method of solution that is clear and precise. They will need to connect probabilities calculated to written problems that model real word situations. Good mechanics in written presentation, organization, and logic, as well as the accuracy of the quantitative measures and the written presentation will determine a grade on each problem. Solving these problems on quizzes and tests will also be used to teach this outcome and will require the same format for problems.

A LEAP assessment will be given either as a separate instrument, with a major exam, or with the final exam.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General</b>	General
<b>Education (Use</b>	Education

<b>for LEAPs)</b>	<b>Outcomes</b>
Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

#### **1.4.4 Measure of Success**

CT: 70% for success / 70% of assessed students successful is the goal

CM: 70% for success / 70% of assessed students successful is the goal

EQ: 70% for success / 70% of assessed students successful is the goal

Program Name: MATH.1325

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

MATH 1325 Calculus for Business and Social Sciences

### 1.1 Division-Department

Mathematics

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Apply calculus to solve business, economics, and social sciences problems.

#### 1.4.2 Learning Activities

Students will be assigned homework requiring them to solve indefinite integrals in order to use marginal cost, marginal revenue, and marginal profit functions to find total cost, revenue, and profit functions. They will apply definite integrals to find total income, present value and future value of continuous income streams and to find consumers surplus and/or producers surplus from demand and supply functions. Homework will include written solutions with step-by-step justification for the solutions. It will also be graded based upon the logic of the written work and upon the mechanics of a correct solution, the organization apparent in the solutions, and connection of the written work to the lesson at hand. Each application will be used in several slightly different situations. Students will need to choose among several formulas and methods and to relate new material to older established mathematical methods. Solving problems on quizzes and tests will also require the same format for problems.

A LEAP assessment will be given either as a separate instrument, with a major exam, or with the final exam.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*General Outcomes Links***General  
Education (Use  
for LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

**1.4.4 Measure of Success**

CT: 70% for success / 70% of assessed students successful is goal

CM: 70% for success / 70% of assessed students successful is goal

EQ: 70% for success / 70% of assessed students successful is goal

Program Name: MATH.1332

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

MATH 1332 Contemporary Mathematics

### 1.1 Division-Department

Mathematics

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General</b>	General
<b>Education (Use</b>	Education
<b>for LEAPs)</b>	Outcomes

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Apply the language and notation of sets.

#### 1.4.2 Learning Activities

Homework will include being able to analyze Venn diagrams involving more than one set, solving problems and drawing conclusions based on real world applications. Using inductive, deductive reasoning conjecture and counterexamples.

A LEAP assessment will be given either as a separate instrument, with a major exam, or with the final exam.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General</b>	General
<b>Education (Use</b>	Education
<b>for LEAPs)</b>	Outcomes

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills (CM): To include effective development,

Communication Skills	interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

#### **1.4.4 Measure of Success**

CT: 70% for success / goal is 70% of assessed students are successful

CM: 70% for success / goal is 70% of assessed students are successful

EQ: 70% for success / goal is 70% of assessed students are successful

Program Name: MATH.1342

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

MATH 1342 Statistics

### 1.1 Division-Department

Mathematics

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Compute and interpret empirical and theoretical probabilities using the rules of probabilities and combinatorics.

#### 1.4.2 Learning Activities

Homework requiring written solutions of problems computing and interpreting probabilities will be required and students will submit their work for evaluation based on their step-by-step justification for their solutions, upon the logic of their written work, and upon the mechanics of correct solution, the organization apparent in their solutions, and the connection of their written work to the lesson at hand. Each principle will be applied to several different situations. Students will need to choose among several formulas and to relate the new probability formulas to older established mathematical methods. This learning activity requires student to use quantitative measures to make informed decision regarding significance of data. Problem solutions of quizzes and tests will require the same format and thus are also part of the learning activities for this learning outcome.

A LEAP assessment will be given either as a separate instrument, with a major exam, or with the final exam.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

#### 1.4.4 Measure of Success

We will be using the same goals as last year for this gateway course. Alternative assignments and resources should be given to online students as well as face-to-face students to reinforce the concepts being taught pertaining to this topic and increase overall success rates. We are interested in improving the overall results of both the stand-alone and co-requisite (Deco) courses.

Deco students are required to complete mandatory tutoring if repeating the Deco course. In addition, Deco students taking the Deco course for the third time will be required to meet with a mentor.

CT: 70% for success / goal is 70% of assessed students are successful

CM: 70% for success / goal is 70% of assessed students are successful

EQ: 70% for success / goal is 70% of assessed students are successful

Program Name: MATH.1350

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

MATH 1350 Mathematics for Teachers I (Fundamentals of Mathematics I)

### 1.1 Division-Department

Mathematics

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative  
Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Explain and model the arithmetic operations for whole numbers and integers.

#### 1.4.2 Learning Activities

Homework, Class Activities, and Tests will require students to submit written solutions to problems showing step-by-step justifications for their solutions. Work will also be evaluated on the logic of their written work, and upon the mechanics of a correct solution, the organization apparent in their solution, and the connection of their written work to the lesson at hand.

A LEAP assessment will be given either as a separate instrument, with a major exam, or with the final exam.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

#### **1.4.4 Measure of Success**

CT: 75% for success / 75% of assessed students will be successful is goal

CM: 75% for success / 75% of assessed students will be successful is goal

EQ: 75% for success / 75% of assessed students will be successful is goal

Program Name: MATH.1351

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

MATH 1351 Mathematics for Teachers II (Fundamentals of Mathematics II)

### 1.1 Division-Department

Mathematics

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Perform geometric transformations.

#### 1.4.2 Learning Activities

Homework, quizzes, presentations, and tests will require students to perform geometric transformations. Written work will be evaluated on each student's step-by-step justification for his/her work, upon the logic of their written analysis, and upon the mechanics of a correct conclusion, the organization apparent in their solution, and the connection of their work to the lesson at hand. Students will need to choose among several approaches and to relate new material to older established mathematical models.

A LEAP assessment will be given either as a separate instrument, with a major exam, or with the final exam.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

#### **1.4.4 Measure of Success**

CT: 80% for success / goal is 75% of assessed students are successful

CM: 80% for success / goal is 75% of assessed students are successful

EQ: 80% for success / goal is 75% of assessed students are successful

Program Name: MATH.2312

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

MATH 2312 Pre-Calculus Math

### 1.1 Division-Department

Mathematics

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Apply graphing techniques to algebraic and transcendental functions.

#### 1.4.2 Learning Activities

Written homework assignments requiring graphs of trigonometric functions will be graded on students step-by-step justification for his/her solution, identification of key concepts such as amplitude, period, phase shift, etc. The structure and organization of their justification and the connection to the type of function being graphed along with the accuracy of the numerical calculations and the conclusion(s) drawn will figure into the grade assigned for each problem. Solving problems on quizzes and tests will also require the same format for problems.

A LEAP assessment will be given either as a separate instrument, with a major exam, or with the final exam.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

#### **1.4.4 Measure of Success**

CT: 70% for success / goal is 70% of assessed students will be successful

CM: 70% for success / goal is 70% of assessed students will be successful

EQ: 70% for success / goal is 70% of assessed students will be successful

Program Name: MATH.2318

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

MATH 2318 Linear Algebra

### 1.1 Division-Department

Mathematics

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General</b>	General
<b>Education (Use</b>	Education
<b>for LEAPs)</b>	Outcomes

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will be able to carry out matrix operations, including inverses and determinants.

#### 1.4.2 Learning Activities

Homework requiring matrix operations, matrix inversion, and the determinant of a matrix will be assigned and assessed based upon each student's written step-by-step justification for his/her solution, upon the logic of their written work, and upon the mechanics of a correct solution, the organization apparent in their solution, and the connection of their written work to the lesson at hand. Each principle will be applied to many slightly different problems. Students will need to choose among the several methods and approaches and to relate new material to older established mathematical methods from calculus and algebra. Solving problems on quizzes and tests will also require the same format for problems and thus will also be used as learning activities for this outcome.

A LEAP assessment will be given either as a separate instrument, with a major exam, or with the final exam.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General</b>	General
<b>Education (Use</b>	Education

<b>for LEAPs)</b>	<b>Outcomes</b>
Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

#### **1.4.4 Measure of Success**

CT: 70% for success / goal is 70% of assessed students are successful

CM: 70% for success / goal is 70% of assessed students are successful

EQ: 70% for success / goal is 70% of assessed students are successful

Program Name: MATH.2320

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

MATH 2320 Differential Equations

### 1.1 Division-Department

Mathematics

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative  
Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Solve ordinary differential equations and systems of equations using:

- a) Direct integration
- b) Separation of variables
- c) Reduction of order
- d) Methods of undetermined coefficients and variation of parameters
- e) Series solutions
- f) Operator methods for finding particular solutions
- g) Laplace transform methods

#### 1.4.2 Learning Activities

Homework requiring written solutions of all the listed types of solutions of differential equations will be assigned and assessed based upon each students written step-by-step justification for his/her solution, upon the logic of their written work, and upon the mechanics of a correct solution, the organization apparent in their solution, and the connection of their written work to the lesson at hand. Each principle will be applied to many slightly different problems. Students will need to choose among the several methods and approaches and to relate new material to older established mathematical methods from calculus and algebra. Solving problems on quizzes and tests will also require the same format for problems and thus will also be used as learning activities for this outcome.

A LEAP assessment will be given either as a separate instrument, with a major exam, or with the final exam.

### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

### 1.4.4 Measure of Success

CT: for success is 85% / goal is 90% of assessed students are successful

CM: for success is 85% / goal is 90% of assessed students are successful

EQ: for success is 85% / goal is 90% of assessed students are successful

Program Name: MATH.2413

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

MATH 2413 Calculus I

### 1.1 Division-Department

Mathematics

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Use differentiation rules to differentiate algebraic and transcendental functions.

#### 1.4.2 Learning Activities

Homework problems using differentiation rules will require students to choose a formula, detail how the problem was solved using that formula in a step-by-step justification for conclusions drawn. Problems will require students to apply differentiation rules to many different situations and to verify the reasonableness of the solutions. Solving these problems on quizzes and tests will also require the same format for problems and thus will also serve to teach this topic.

A LEAP assessment will be given either as a separate instrument, with a major exam, or with the final exam.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking Skills (CT): To include creative thinking, innovation,

Critical Thinking	inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

#### **1.4.4 Measure of Success**

CT: 70% for success / goal is 70% of assessed students are successful

CM: 70% for success / goal is 70% of assessed students are successful

EQ: 70% for success / goal is 70% of assessed students are successful

Program Name: MATH.2414

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

MATH 2414 Calculus II

### 1.1 Division-Department

Mathematics

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Use substitution, integration by parts, trigonometric substitution, partial fractions, and tables of anti-derivatives to evaluate definite and indefinite integrals.

#### 1.4.2 Learning Activities

Methods of integration homework problems will be assigned and graded upon each students written step-by-step justification for his/her solution, upon the logic of their written work, and upon the mechanics of a correct solution, the organization apparent in their solution, and the connection of their written work to the lesson at hand. Each method will be applied to many different situations. Students will need to choose among several approaches (formulas, substitution and formulas, integration by parts, trigonometric substitution, partial fractions, or tables of anti-derivatives) more than one of which may work. Students will need to relate the new material to older established integration methods. Solving integral problems on quizzes and tests will also require the same format for problems and will thus also be a learning activity for students.

A LEAP assessment will be given either as a separate instrument, with a major exam, or with the final exam.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

#### 1.4.4 Measure of Success

CT: 80% for success / goal is 75% of assessed students are successful

CM: 80% for success / goal is 75% of assessed students are successful

EQ: 80% for success / goal is 75% of assessed students are successful

Program Name: MATH.2415

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

MATH 2415 Calculus III

### 1.1 Division-Department

Mathematics

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative  
Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Perform calculus operations on vector-valued functions, including derivatives, integrals, curvature, displacement, velocity, acceleration, and torsion.

#### 1.4.2 Learning Activities

Homework requiring written solutions of problems involving vector-valued functions will assigned and graded on each students step-by-step justification for his/her solution, on the logic of their written work, and on the mechanics of a correct solution, the organization apparent in their solution, and the connection of their written work to the lesson at hand. Each principle will be applied to several situations. Students will need to choose among several approaches and to relate the new material to older established derivative and integral formulas and established mathematical methods. Since solving problems on quizzes and tests will require the same format, these will also be used as learning activities for this outcome.

A LEAP assessment will be given either as a separate instrument, with a major exam, or with the final exam.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General</b>	General
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**Education (Use  
for LEAPs)      Education  
Outcomes**

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

**1.4.4 Measure of Success**

CT: 70% for success / goal is 70% of assessed students are successful

CM: 70% for success / goal is 70% of assessed students are successful

EQ: 70% for success / goal is 70% of assessed students are successful

Program Name: MCHN.1338

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

### **1.1 Division-Department**

### **1.2 Course Type**

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

#### **1.4.2 Learning Activities**

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

Program Name: MCHN.2335

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

MCHN 2335, Advanced CNC Machining

### 1.1 Division-Department

Career and Technology - Mechanical Engineering Technology

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Technology      Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Create (manually or CAM) , simulate, edit, execute CNC programs.  
Select appropriate tooling and demonstrate operations of CNC machine controls.  
Utilize CNC machine applications for machining of complete units.

#### 1.4.2 Learning Activities

Students will learn basic CNC code formats including CAM (Computer-Aided Manufacturing) and begin applying to create working programs.

This will consist of instructor led lectures as well as assignments, examples, and hands on independent assignments

Basic G code

Basic M code

Machine parts

Machine limitations

Tooling requirements

Machine components

Machining techniques

Blueprint reading

Metrology

Safety in the workplace

Students will be required to fabricate parts through material selection and blueprint reading/project layout.

Determine fit form and function of finished parts

Complete independent instructor authorized projects to demonstrate innovation and project

management skills  
 Fabricate prototype parts  
 Measure parts and compare to specifications for quality control.

### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making
Technology	Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4.4 Measure of Success

60% of evaluated students will complete the required machining projects and tests and demonstrate 80% mastery in creating fabricated parts

Program Name: MCHN.2341

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

MCHN 2341, Advanced Machining

### 1.1 Division-Department

Career and Technology - Mechanical Engineering Technology

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Demonstrate proper safety and use of the lathe, milling machine, Band Saw and other various hand tools. Perform bench work including part layout, drilling, reaming, taping, press fitting, location of hole centers and surfaces.

#### 1.4.2 Learning Activities

Instructor will guide students through basic machine operation and requirements.

Machine components

Machining techniques

Blueprint reading

Metrology

Safety in the workplace

Students will be required to fabricate parts through material selection and blueprint reading/project layout.

Demonstrate a working knowledge of each piece of machine equipment.

Complete independent instructor authorized projects to demonstrate innovation and project management skills

Fabricate prototype parts

Measure parts and compare to specifications for quality control

Determine fit form and function of finished parts

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

**1.4.4 Measure of Success**

Evaluation - 60% of students tested completing the required "Final Project" and exhibiting 75% mastery of the required techniques for fabrication utilizing metalworking machinery and tools.

Program Name: MCHN.2344

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

### **1.1 Division-Department**

### **1.2 Course Type**

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

#### **1.4.2 Learning Activities**

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

Program Name: MDCA.1254

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

### **1.1 Division-Department**

### **1.2 Course Type**

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

#### **1.4.2 Learning Activities**

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

Program Name: MDCA.1313

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

MDCA 1313, Medical Terminology

### 1.1 Division-Department

Business and Computer Science - Medical Office

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

The student will be able to define, identify, analyze, terms and abbreviations which apply to the structural organization of the body.

#### 1.4.2 Learning Activities

Define, identify, analyze, translate terms and abbreviations which apply to the structural organization of the body, including prefixes, suffixes, roots and combining forms. Identify correct pronunciations, spelling, and definitions of medical terms.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### **1.4.4 Measure of Success**

70 percent of the evaluated students will score 70% or better on the evaluative instrument to demonstrate a mastery of the objective.

Program Name: MDCA.1317

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

### **1.1 Division-Department**

### **1.2 Course Type**

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

#### **1.4.2 Learning Activities**

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

Program Name: MDCA.1348

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

### **1.1 Division-Department**

### **1.2 Course Type**

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

#### **1.4.2 Learning Activities**

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

Program Name: MUSI.1306

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

MUSI 1306, Music Appreciation

### 1.1 Division-Department

Fine Arts - Music

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will demonstrate sensitivity to differing points of view through a group project that results in a shared perspective.

#### 1.4.2 Learning Activities

Students will be divided into groups and assigned a topic on which they will make an oral/visual presentation to the class. Each student will be assigned a particular area to cover (ex. historical background, musical output, etc.) based on the topic assigned, and assessed using peer evaluations.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education (Use  
for LEAPs)**      General  
Education  
Outcomes

Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose
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or goal

#### 1.4.4 Measure of Success

80% of the students will score at least 80% of the available points for this element.

### 1.5 Measured Outcome

#### 1.5.1 Student Learning Outcomes

Students will be exposed to cultural performances.

#### 1.5.2 Learning Activities

The students will be required to write a critique of the music and the performance of the concert attended. This critique will include an historical background of the musical literature, language and terminology appropriate to the subject matter, and supported opinion of the performance.

#### 1.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

#### 1.5.4 Measure of Success

75% of the students will demonstrate a minimum rating of 4 on the critical thinking portion of the rubric, based on their ability to support their opinion of the performance.

### 1.6 Measured Outcome

#### 1.6.1 Student Learning Outcomes

Students will demonstrate mastery of communication skills in appreciation of music.

#### 1.6.2 Learning Activities

The students will be required to write a critique of the music and the performance of the concert attended. This critique will include an historical background of the musical literature, language and terminology appropriate to the subject matter, and supported opinion of the performance.

Students will be divided into groups and assigned a topic on which they will make an oral/visual presentation to the class. Each student will be assigned a particular area to cover (ex. historical background, musical output, etc.) based on the topic assigned

#### 1.6.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

#### 1.6.4 Measure of Success

75% of the students will demonstrate a minimum rating of 4 on the communication portion of the rubric, based on effective application of writing skills in the report.

### 1.7 Measured Outcome

#### 1.7.1 Student Learning Outcomes

Students will demonstrate social responsibility.

#### 1.7.2 Learning Activities

The arts are vital components of a society's culture, health and vigor. Therefore, it is essential, whenever cultural events are available in a community, that those events be attended by a broad spectrum of the community's citizens. Attendance at the events demonstrates active social responsibility because it ensures that such activities can continue to be offered in the future. Therefore, students will be required to attend one outside musical event during the semester.

#### 1.7.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Social Responsibility

Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

#### 1.7.4 Measure of Success

90% of the students will rate 5 on the Social Responsibility portion of the rubric due to their attendance of the musical performance.

Program Name: MUSI.1307

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

MUSI 1307, Music Literature

### 1.1 Division-Department

Fine Arts - Music

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will demonstrate sensitivity to differing points of view through a group project that results in a shared perspective.

#### 1.4.2 Learning Activities

Students will be divided into groups and assigned a topic on which they will make an oral/visual presentation to the class. Each student will be assigned a particular area to cover (ex. historical background, musical output, etc.) based on the topic assigned.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education (Use  
for LEAPs)**      General  
Education  
Outcomes

Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose
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or goal

#### 1.4.4 Measure of Success

80% will score at least 70% of the available points for this element

### 1.5 Measured Outcome

#### 1.5.1 Student Learning Outcomes

Students will be exposed to cultural performances.

#### 1.5.2 Learning Activities

The students will be required to write a critique of the music and the performance of the concert attended. This critique will include an historical background of the musical literature, language and terminology appropriate to the subject matter, and supported opinion of the performance.

#### 1.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

#### 1.5.4 Measure of Success

75% of the students will demonstrate a minimum rating of 4 on the Critical Thinking portion of the rubric, based on their ability to apply appropriate terminology and support their opinion of the performance.

### 1.6 Measured Outcome

#### 1.6.1 Student Learning Outcomes

Students will demonstrate mastery of communication skills in appreciation of music

#### 1.6.2 Learning Activities

The students will be required to write a critique of the music and the performance of the concert attended. This critique will include an historical background of the musical literature, language and terminology appropriate to the subject matter, and supported opinion of the performance. Students will be divided into groups and assigned a topic on which they will make an oral/visual presentation to the class. Each student will be assigned a particular area to cover (ex. historical background, musical output, etc.) based on the topic assigned

#### 1.6.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

#### 1.6.4 Measure of Success

75% of the students will demonstrate a minimum rating of 4 on the Communication portion of the rubric, based on effective application of writing skills in the reports.

### 1.7 Measured Outcome

#### 1.7.1 Student Learning Outcomes

Students will demonstrate social responsibility.

#### 1.7.2 Learning Activities

The arts are vital components of a society's culture, health and vigor. Therefore, it is essential, whenever cultural events are available in a community, that those events be attended by a broad spectrum of the community's citizens. Attendance at the events demonstrates active social responsibility because it ensures that such activities can continue to be offered in the future. Therefore, students will be required to attend one outside musical event during the semester.

#### 1.7.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Social Responsibility

Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

#### 1.7.4 Measure of Success

90% of the students will rate 5 on the Social Responsibility portion of the rubric due to their attendance of the musical performance.

Program Name: MUSI.1310

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

MUSI 1310, American Music

### 1.1 Division-Department

Fine Arts - Music

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will demonstrate sensitivity to differing points of view through a group project that results in a shared perspective.

#### 1.4.2 Learning Activities

Students will be divided into groups and assigned a topic on which they will make an oral/visual presentation to the class. Each student will be assigned a particular area to cover (ex. historical background, musical output, etc.) based on the topic assigned.

Students will participate in a group activity where they will submit peer-reviewed memorization tools that will facilitate studying for the listening portion of their final exam. Scoring will be based on participation, interactions, and level of content provided in discussion boards.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General**      General

<b>Education (Use for LEAPs)</b>	Education Outcomes
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Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
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**1.4.4 Measure of Success**

80% of the students will demonstrate a minimum rating of 4 on the Teamwork portion of the rubric.

**1.5 Measured Outcome****1.5.1 Student Learning Outcomes**

Students will be exposed to cultural performances.

**1.5.2 Learning Activities**

The students will be required to write a critique of the music and the performance of the concert attended. This critique will include an historical background of the musical literature, language and terminology appropriate to the subject matter, and supported opinion of the performance.

**1.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)***General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
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Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
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**1.5.4 Measure of Success**

75% of the students will demonstrate a minimum rating of 4 on the Critical Thinking portion of the rubric.

75% of the students will demonstrate a minimum rating of 4 on the Communication portion of the rubric, based on their operational writing skills and /or effective oral presentation skills.

**1.6 Measured Outcome****1.6.1 Student Learning Outcomes**

Students will demonstrate social responsibility.

**1.6.2 Learning Activities**

The arts are vital components of a society's culture, health and vigor. Therefore, it is essential, whenever cultural events are available in a community, that those events be attended by a broad spectrum of the community's citizens. Attendance at the events demonstrates active social responsibility because it ensures that such activities can continue to be offered in the future. Therefore, students will be required to attend one outside musical event during the semester

**1.6.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)***General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Social Responsibility      Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

**1.6.4 Measure of Success**

75% of the students will rate 4 or higher on the Social Responsibility portion of the rubric due to their attendance of the musical performance.

Program Name: NURA.1160

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

### **1.1 Division-Department**

### **1.2 Course Type**

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

#### **1.4.2 Learning Activities**

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

Program Name: NURA.1401

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

### **1.1 Division-Department**

### **1.2 Course Type**

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

#### **1.4.2 Learning Activities**

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

Program Name: PHIL.2306

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

PHIL 2306, Introduction to Ethics

### 1.1 Division-Department

Social Sciences - Philosophy

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

*Plan Links*

#### Strategic Goals

##### Action Area 1.3

Academic Success

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Read, analyze, and critique philosophical texts based upon written assignments involving current issues and based upon a common rubric

#### 1.4.2 Learning Activities

Students may synthesize concepts, ethical approaches and applications of ethical criterion through assigned texts and through major media readings. Each instructor chooses from different types of written assignments but the grading is based upon the same rubric which is attached.

[PhilosophyRubric2019](#) [XLSX 15 KB AUG 27, 2019]

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*Plan Links*

#### Strategic Goals

##### Action Area 1.3

Academic Success

#### 1.4.4 Measure of Success

65% of the students will score 70% or higher on the department rubric. The assessment method and rubric were revisited this cycle. The new rubric is attached. Under the former rubric, 77% of the students scored 70% or higher on CM; 84% scored 70% or higher on CT; 93% scored 70% or higher on PR; and 95% scored 70% or higher on SR.

[PhilosophyRubric2019](#) [XLSX 15 KB AUG 27, 2019]

### 1.5 Measured Outcome

### **1.5.1 Student Learning Outcomes**

Define and appropriately use important terms such as relativism, virtue, duty, rights, utilitarianism, natural law, egoism, altruism, autonomy, and care ethics as graded through a common rubric for the department based upon current issues and topics.

### **1.5.2 Learning Activities**

Students will analyze a specific social ethical dilemma of the day and define, explain and delineate how the various ethical decision positions could affect the impact of that specific social dilemma.

### **1.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

### **1.5.4 Measure of Success**

65% of the students will score 70% or higher on the department approved rubric.

## **1.6 Measured Outcome**

### **1.6.1 Student Learning Outcomes**

Demonstrate knowledge of major arguments and problems in ethics as related to current issues and topics which vary from instructors but is graded upon a common revised rubric.

### **1.6.2 Learning Activities**

Students will apply specific critical decision making criterion to a major ethical issue facing the culture/society of this day. Students will analyze how that unique position, if society driven, could either improve or harm culture.

### **1.6.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

### **1.6.4 Measure of Success**

60% of students will score at least 25 points on each of the department approved rubrics for CT, Communication, Personal Responsibility and Social Responsibility.

## **1.7 Measured Outcome**

### **1.7.1 Student Learning Outcomes**

Apply course material to various aspects of life based upon a written assessment which involves current event topics and how they relate to ethics. Each instructor uses a different assessment but the grading rubric is the same.

### **1.7.2 Learning Activities**

Students will be challenged to be introspective on major moral issues impacting culture/society today and then discern & articulate how course material affected their initial thought position. The assessment grades CM, CT, PR, and SR and is based on the revised attached rubric.

[PhilosophyRubric2019](#) [XLSX 15 KB AUG 27, 2019]

### **1.7.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

*Plan Links*

**Strategic Goals**

**Action Area 1.3**

Academic Success

**1.7.4 Measure of Success**

60% of the students will score 70% or higher on department approved rubric in each area, CT, communication, personal responsibility, and social responsibility. Based upon the previous rubric, 63% of the students scored 70% or higher on CM; 92% scored 70% or higher on CT; 86% scored 70% or higher on PR; and 92% scored 70% or higher on SR. The rubric has been revised for the next cyle as was the assessment instruments used by the instructors. The new rubric is attached.

[PhilosophyRubric2019](#) [XLSX 15 KB AUG 27, 2019]

Program Name: PHRA.1202

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course Pharmacy Law**

PHRA 1202

### **1.1 Division-Department**

Health Science Occupations

### **1.2 Course Type**

WECM Course (nonTransfer)

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

#### **1.4 Measured Outcome**

Student will be able to differentiate, discuss and/or explain the various pharmacy laws and regulations and their effect on the contemporary practice of pharmacy. Student success will be measured via the final exam for the course.

##### **1.4.1 Student Learning Outcomes**

Students will differentiate among various federal and state pharmacy laws and regulations as they pertain to the practice of pharmacy and therefore pharmacy technicians.

##### **1.4.2 Learning Activities**

Students will receive lecture and theory from instructor as well as online learning activities, research, simulation activities and practice exams.

##### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

##### **1.4.4 Measure of Success**

90% of students will pass the final exam with 90% or better score.

Program Name: PHRA.1205

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course Drug Classifications**

PHRA 1205

### **1.1 Division-Department**

Health Science Occupations

### **1.2 Course Type**

WECM Course (nonTransfer)

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

Students will learn the Top 200 drug generic and brand names, classification, use and major side effects.

#### **1.4.1 Student Learning Outcomes**

Students will learn the Top 200 drug generic names, brand names, drug classification, use and major side effects.

#### **1.4.2 Learning Activities**

Students will receive lecture and theory from the instructor as well as online learning activities, research of various drug classes, learning games, simulated activities with various drug classes, research activities while at experiential site, review and study sessions, and practice tests.

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

85% of students will pass the final exam with 80% or better score.

Program Name: PHRA.1243

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

**1 Course** Certification Review Course

PHRA 1243

**1.1 Division-Department**

Health Science Occupations

**1.2 Course Type**

WECM Course (nonTransfer)

**1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

**1.4 Measured Outcome**

Student will be able to differentiate, discuss, calculate, demonstrate and/or explain the various duties and skills required of a pharmacy technician.

**1.4.1 Student Learning Outcomes**

Student will be able to differentiate, discuss, calculate, demonstrate and/or explain the various duties and skills required of a pharmacy technician.

**1.4.2 Learning Activities**

Students will receive online learning activities, research, learning games, review games, review simulations, and practice tests.

**1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

**1.4.4 Measure of Success**

80% of students will pass the PTCE practice test with a score of 80% or better.

Program Name: PHTC.1313

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

PHTC 1313, History of Photography

### 1.1 Division-Department

Fine Arts - Photography

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will describe the aesthetic and technical evolution of photography

#### 1.4.2 Learning Activities

Written report that effectively communicates, per standard writing criteria, an understanding of the aesthetic and technical evolution of photography

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
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#### 1.4.4 Measure of Success

Eighty percent of students who generate a satisfactory level of at least 85% of the 100% points available on the rubric.

## 1.5 Measured Outcome

### 1.5.1 Student Learning Outcomes

Students will analyze and compare the work of significant photographic practitioners through writing. Student will produce written research papers, along with taking photographs in and around the community to help support the paper, and use as visual aids to present to the class for critical discussion to the class.

### 1.5.2 Learning Activities

Think Piece Paper

### 1.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

### 1.5.4 Measure of Success

Eighty percent of students who produce a presentation to the class for assessment will achieve at least 85% of the total points available on the rubric.

## 1.6 Measured Outcome

### 1.6.1 Student Learning Outcomes

Student will demonstrate evidence of adjustment in own attitudes and beliefs because of working within and learning from diversity of communities and cultures. Promotes others' engagement with diversity.

### 1.6.2 Learning Activities

Reports requires students to research, write, and document to MLA/APA standards along with students will produce written research papers, along with taking photographs in and around the community to help support the paper, and use as visual aids to present to the class for critical discussion to the class.

### 1.6.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Social Responsibility      Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

#### **1.6.4 Measure of Success**

80% of students who produce written research papers to class for assessment will achieve 85% of the total points available on the rubric.

Program Name: PHTC.1411

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

### 1 Course Course prefix and number

PHTC 1411, Digital Photography Certificate

#### 1.1 Division-Department

Fine art-Photography

#### 1.2 Course Type

WECM Course (nonTransfer)

#### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

##### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

#### 1.4 Measured Outcome

##### 1.4.1 Student Learning Outcomes

Students will be able to manipulate a captured image using industry-standard software to manipulate technical and composition elements in such a way that meets minimum standards of professional quality.

##### 1.4.2 Learning Activities

Students will produce a minimum number of photographs that will be evaluated using a rubric that assigns points for technical elements of focus, contrast, discoloration, lighting, and resizing; and composition elements of center of interest, angle of interest, message of photo, framing, mood, and leading lines.

##### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking Skills (CT): To include creative thinking, innovation,

Critical Thinking	inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

#### **1.4.4 Measure of Success**

Eighty percent of students who produce an adequate number of photographs for assessment will achieve at least 85% of the 50 points available on the rubric.

Program Name: PHTC.1443

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

PHTC 1443, Expressive Photography

### 1.1 Division-Department

Fine Arts - Photography

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

## 1.4 Measured Outcome

### 1.4.1 Student Learning Outcomes

Students will gained a critical understanding and proficient articulation of the language of photography

### 1.4.2 Learning Activities

Students will produce a minimum number of photographs that will be evaluated using a rubric that assigns points for technical elements of focus, contrast, discoloration, lighting, and re-sizing; and composition elements of center of interest, angle of interest, message of photo, framing, mood, and leading lines.

### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
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#### 1.4.4 Measure of Success

Eighty percent of students who produce an adequate number of photographs for assessment will achieve at least 85% of the 50 points available on the rubric.

### 1.5 Measured Outcome

#### 1.5.1 Student Learning Outcomes

Students will demonstrate creative visual thinking in producing a portfolio of inter-related images.

#### 1.5.2 Learning Activities

Students will produce a portfolio of photographs that will be evaluated using a rubric that assigns points for technical elements of focus, contrast, discoloration, lighting, and re-sizing; and composition elements of center of interest, angle of interest, message of photo, framing, mood, and leading lines.

#### 1.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

#### 1.5.4 Measure of Success

Eighty percent of students who produce an adequate number of photographs for the portfolio for assessment will achieve at least 85% of the 300 points available on the rubric.

### 1.6 Measured Outcome

#### 1.6.1 Student Learning Outcomes

Students will also be able to demonstrate an awareness of contemporary aesthetic, legal and ethical considerations in digital imaging.

#### 1.6.2 Learning Activities

Through class discussion, demonstration, and hands-on practice, students will learn the basics of effective photography, as well as components of the digital camera and software to achieve optimum aesthetic quality in their photographs

#### 1.6.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

#### **1.6.4 Measure of Success**

Eighty percent of students will produce a presentation to the class for assessment will achieve at least 85% of the total points available on the rubric.

Program Name: PHYS.1401

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

PHYS 1401

### 1.1 Division-Department

Science - Physics

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Demonstrate techniques to set up and perform experiments, collect data from those experiments, and formulate conclusions from an experiment.

#### 1.4.2 Learning Activities

Students will be assigned a laboratory experiment to be performed in a group. The group will be required to utilize proper lab techniques to obtain the desired outcome. The group will analyze data obtained from the experiment and relate the results to theory discussed in lecture. Participation in the lab experiment will be required.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking Skills (CT): To include creative thinking, innovation,

Critical Thinking	inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

#### **1.4.4 Measure of Success**

Benchmark of 70% of the students will receive 70% of the possible points for each core objective (CM, CT, EQ, TW).

Program Name: PHYS.1402

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

PHYS 1402

### 1.1 Division-Department

Science - Physics

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Develop techniques to set up and perform experiments, collect data from those experiments, and formulate conclusions from an experiment.

#### 1.4.2 Learning Activities

Students will be assigned a laboratory experiment to be performed in a group. The group will be required to utilize proper lab techniques to obtain the desired outcome. The group will analyze data obtained from the experiment and relate the results to theory discussed in lecture. Participation in the lab experiment will be required.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Critical Thinking Skills (CT): To include creative thinking, innovation,

Critical Thinking	inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

#### **1.4.4 Measure of Success**

Benchmark of 70% of the students will receive 70% of the possible points for each core objective (CM, CT, EQ, TW).

Program Name: PHYS.1415

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

PHYS 1415

### 1.1 Division-Department

Science - Physical Science

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

The student will demonstrate the ability to follow written and oral instructions in setting up and using simple scientific apparatus.

#### 1.4.2 Learning Activities

Students will be assigned a laboratory experiment to be performed in a group. The group will be required to utilize proper lab techniques to obtain the desired outcome. The group will analyze data obtained from the experiment and relate the results to theory discussed in lecture. Participation in the lab experiment will be required.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking Skills (CT): To include creative thinking, innovation,

Critical Thinking	inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

#### **1.4.4 Measure of Success**

Benchmark of 60% of the students will receive 70% of the possible points for each core objective (CM, CT, EQ, TW).

Program Name: PHYS.1417

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

PHYS 1417

### 1.1 Division-Department

Science - Physical Science

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

The student will demonstrate the ability to follow written and oral instructions in setting up and using simple scientific apparatus.

#### 1.4.2 Learning Activities

Students will be assigned a laboratory experiment to be performed in a group. The group will be required to utilize proper lab techniques to obtain the desired outcome. The group will analyze data obtained from the experiment and relate the results to theory discussed in lecture. Participation in the lab experiment will be required.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------------

Critical Thinking Skills (CT): To include creative thinking, innovation,

Critical Thinking	inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

#### **1.4.4 Measure of Success**

Benchmark of 60% of the students will receive 70% of the possible points for each core objective (CM, CT, EQ, TW).

Program Name: PHYS.2425

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

PHYS - 2425

### 1.1 Division-Department

Science - Physics

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Prepare laboratory reports that clearly communicate experimental information in a logical and scientific manner.

#### 1.4.2 Learning Activities

Students will be assigned a laboratory experiment to be performed in a group. The group will be required to utilize proper lab techniques to obtain the desired outcome. The group will analyze data obtained from the experiment and relate the results to theory discussed in lecture. Participation in the lab experiment will be required.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Critical Thinking Skills (CT): To include creative thinking, innovation,

Critical Thinking	inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

#### **1.4.4 Measure of Success**

Benchmark of 70% of the students will receive 70% of the possible points for each core objective (CM, CT, EQ, TW).

Program Name: PHYS.2426

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

PHYS 2426

### 1.1 Division-Department

Science - Physics

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills

Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Prepare laboratory reports that clearly communicate experimental information in a logical and scientific manner.

#### 1.4.2 Learning Activities

Students will be assigned a laboratory experiment to be performed in a group. The group will be required to utilize proper lab techniques to obtain the desired outcome. The group will analyze data obtained from the experiment and relate the results to theory discussed in lecture. Participation in the lab experiment will be required.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
--	----------------------------

Critical Thinking Skills (CT): To include creative thinking, innovation,

Critical Thinking	inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

#### **1.4.4 Measure of Success**

Benchmark of 70% of the students will receive 70% of the possible points for each core objective (CM, CT, EQ, TW).

Program Name: POFI.1204 (TDCJ)

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

POFI 1204, Computer Fundamentals

### **1.1 Division-Department**

TDCJ - Computer Information Technology

### **1.2 Course Type**

WECM Course (nonTransfer)

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

The students will demonstrate an understanding of the computer systems, computer hardware, basic computer procedures, used in businesses and other segments of todays society.

#### **1.4.1 Student Learning Outcomes**

Instructor created exams will be used to evaluate student comprehension of the computer systems and software. Performance on course assignments will also be used to determine the students comprehension of the computer hardware, the computer system, and the computers operations and procedures.

#### **1.4.2 Learning Activities**

Instructor created exams will be used to evaluate student comprehension of the computer systems and software. Performance on course assignments will also be used to determine the students comprehension of the computer hardware, the computer system, and the computers operations and procedures.

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

70% of the evaluated students will demonstrate an ability of 70% mastery of the objective.

Program Name: POFI.1301 (TDCJ)

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

Intro Computer Science 1301

### **1.1 Division-Department**

TDCJ - Computer Information Technology

### **1.2 Course Type**

WECM Course (nonTransfer)

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

The students will demonstrate an understanding of the computer software usage needed in creating, saving, editing, and displaying: text documents, spreadsheet documents, database files, and the integration of this software in businesses and other segments of today's society.

#### **1.4.2 Learning Activities**

Instructor created exams will be used to evaluate student comprehension of the computer systems and software. Performance on course assignments will also be used to determine the students' comprehension of the computer operations and the understanding of software applications.

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

#### **1.4.4 Measure of Success**

70% of the evaluated students will demonstrate an ability of 70% mastery of the objective.

Program Name: POFI.2301

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

POFI 2301 Word Processing I

### 1.1 Division-Department

Business and Computer Science

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Technology	Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Given a workplace scenario requiring a written solution, assess the communication purpose and then prepare the materials that achieve the goal efficiently and effectively.

#### 1.4.2 Learning Activities

Prepare a document for a sales meeting. Create a letter that includes a table detailing specific information and create a SmartArt (Chapter covered content) organizational chart to be included with the document. Rubrics will be used to measure student success.

[Rubric](#) [PDF 487 KB SEP 11, 2019]

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### General Outcomes Links

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
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Technology	Technology (TECH): Students will be able to utilize computer based technology in accessing information, solving problems and communicating
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### **1.4.4 Measure of Success**

70% of the evaluated students will demonstrate an ability of 75% mastery of the objective.

Program Name: POFM.1300

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

POFM 1300, Medical Coding

### 1.1 Division-Department

Business and Computer Science Division Medical Office Technology

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

Student Engagement

#### General Outcomes Links

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
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Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation
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<b>Strategic Plan (Use for Administrative Outcomes)</b>	1 Enhance the Student
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1.1 Student Engagement	Student Engagement
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### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Recognize and Interpret symbols, coding conventions and guidelines used.

#### 1.4.2 Learning Activities

Recognize, Interpret, identify, translate coding conventions and guidelines

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### General Outcomes Links

<b>General Education</b>	General Education
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<b>(Use for LEAPs)</b>	Outcomes
Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### **1.4.4 Measure of Success**

60 percent of the evaluated students will demonstrate an ability of 70% mastery of the objective.

Program Name: POFM.1327

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

POFM 1327, Medical Insurance

### 1.1 Division-Department

1.1 Division-Department Locked

Business and Computer Science Division Medical

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### *General Outcomes Links*

**General Education (Use for LEAPs)**      General Education Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

The student will be able to differentiate and discern the difference between Physician /provider and Hospital billing and claims filing.

#### 1.4.2 Learning Activities

Distinguish, differentiate, discern, identify the difference between Physician/provider and Hospital billing and claims filing.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

*General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking      Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

**1.4.4 Measure of Success**

80 percent of the evaluated students will demonstrate an ability of 77% mastery of the objective

Program Name: POFT.1301

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

POFT 1301 Business English

### 1.1 Division-Department

Business and Computer Science

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Recognize and create professional business messages that demonstrate accurate formats and ideas expressed in clear, concise, and correct English.

#### 1.4.2 Learning Activities

Using an internal memo format, students will edit and rewrite a poorly written message that suffers from wordiness, indirectness, and confusing instructions. A grading rubric will be used to measure success.

[Rubric for Writers Workshop - POFT 1301 \(50 points\)](#) [PDF 85 KB SEP 11, 2019]

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
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Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### **1.4.4 Measure of Success**

75% of the evaluated students will demonstrate an ability of 75% mastery of the objective.

Program Name: POFT.2312

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

POFT 2312 Business Correspondence and Communication

### 1.1 Division-Department

Business and Computer Science

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Create an impressive, error-free multimedia presentation that shows a firm grasp of basic visual design principles.

#### 1.4.2 Learning Activities

Students will create a multimedia presentation that describes the duties of a current position or past job, volunteer activity, hobby, or internship. A grading rubric will be used to measure results.

Presentation Assignment

[GRADING RUBRIC FOR PRESENTATION](#) [PDF 224 KB SEP 11, 2019]

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### General Outcomes Links

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking Skills (CT): To include creative thinking, innovation,

Critical Thinking	inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### **1.4.4 Measure of Success**

70% of the evaluated students will demonstrate an ability of 80% mastery of the subject.

Program Name: PSYC.2301

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

PSYC 2301, General Psychology

### 1.1 Division-Department

Social Sciences - Psychology

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Identify research methods and their characteristics used in the scientific study of psychology based upon a common assessment/prompt developed by the department.

#### 1.4.2 Learning Activities

Activities may include:

As determined by a standardized departmental measure, students will be able to distinguish between descriptive, correlational and experimental methods of research including a demonstration of the understanding of the steps involved in experimental design; the manipulation of independent and dependent variables to determine cause and effect; the process of random sampling to minimize pre-existing differences between groups, the analysis of results to confirm or deny a given hypothesis and the determination of positive and negative correlations. The activities are graded based upon a common rubric which is being developed.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

#### 1.4.4 Measure of Success

98% of students assessed scored 24 out of 30 on the department approved rubric for communication and 87% on critical thinking and 85% of the students assessed scored 7 out of a possible of 10 on empirical/quantitative and 85% of the students assessed scored 8 out of 10 on social responsibility on the department approved rubric.

### 1.5 Measured Outcome

#### 1.5.1 Student Learning Outcomes

Describe some of the prominent perspectives and approaches used in the study of psychology as determined by the department approved assessments and rubric.

#### 1.5.2 Learning Activities

Activities may include:

A Ripped from the Headlines scenario (examples include Sandy Hook and Virginia Tech) will require students to generate alternative explanations for determining the possible causation of behavior and mental processes. Relating knowledge gained in the classroom, students will apply the biopsychosocial approach, developing a written narrative establishing connections between biological, psychological and social-cultural influences as typified in the 7 major theoretical perspectives. Students will evaluate the local community in terms of possible factors contributing to the development of psychological disorders, resources available and methods for improving said resources.

#### 1.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
	Empirical and Quantitative Skills (EQS): To include the manipulation and

Empirical and Quantitative Skills	analysis of numerical data or observable facts resulting in informed conclusions
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

#### **1.5.4 Measure of Success**

80% of students assessed scored 24 out of 30 on the communication and critical thinking rubric approved by the department and 80% of the students assessed will score 7 of a possible 10 on empirical/quantitative and 80% scored 8 of a possible 10 on social responsibility rubric as approved by the department. this rubric has been revised for the current cycle.

Program Name: PSYC.2314

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

PSYC 2314, Lifespan Growth and Development

### 1.1 Division-Department

Social Sciences - Psychology

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

**General Education (Use for LEAPs)**      General Education Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Discuss the various causes or reasons for disturbances in the developmental process as based upon a department approved assessment and graded on a common rubric.

#### 1.4.2 Learning Activities

The student will prepare a Life Review through an interview process with a person aged 65 years or older. The subjects life experiences will be documented in narrative form.

The student will relate/connect the findings to Eriksons Psychosocial Theory of development and present arguments supporting a positive or negative outcome of each crisis, noting those circumstances which determined the outcome.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### General Outcomes Links

**General**      General

<b>Education (Use for LEAPs)</b>	<b>Education Outcomes</b>
Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

**1.4.4 Measure of Success**

70% of the students assessed scored at least 25 points on communication and critical thinking,, and at least 7 points on empirical/quantitative, and social responsibility, based upon the approved department rubric. This rubric was revised for the current cycle.

**1.5 Measured Outcome**

**1.5.1 Student Learning Outcomes**

Identify various research methods and their characteristics used in the scientific field of psychology based upon a common assessment and rubric approved by the department.

**1.5.2 Learning Activities**

As determined by a standardized departmental measure, students will be able to distinguish between descriptive, correlational and experimental methods of research including a demonstration of the understanding of the steps involved in experimental design; the manipulation of independent and dependent variables to determine cause and effect; the process of random sampling to minimize pre-existing differences between groups , the analysis of results to confirm or deny a given hypothesis and the determination of positive and negative correlations.

**1.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	<b>General Education Outcomes</b>
Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in

regional, national, and global communities

#### **1.5.4 Measure of Success**

70% of the students will score at least 24 points on communication and critical thinking and score at least 7 points on empirical/quantitative and social responsibility on the approved department rubric. This rubric was revised for the upcoming cycle.

Program Name: SOCI.1301

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

SOCI 1301, Introduction to Sociology

### 1.1 Division-Department

Social Sciences - Sociology

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

### 1.4 Measured Outcome

Is based upon a common rubric and assessment which is developed by the department.

#### 1.4.1 Student Learning Outcomes

Identify the various methodological approaches to the collection and analysis of data in sociology based upon a common assessment and rubric.

#### 1.4.2 Learning Activities

Students will conduct research in the field by carrying out a set of behaviors, writing the results, analyzing the data and drawing conclusions based on a matrix covering certain points. A written report will be submitted for a grade based on proper grammar usage. The same will be assessed on a common rubric.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education**      General  
Education

<b>(Use for LEAPs)</b>	<b>Outcomes</b>
Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

#### 1.4.4 Measure of Success

70% of students will at least 24 on the department approved rubric for communications, critical thinking and empirical and quantitative skills and at least 7 on the department approved rubric for social responsibility.

[SocRubric Original](#) [PDF 293 KB AUG 27, 2019]

### 1.5 Measured Outcome

#### 1.5.1 Student Learning Outcomes

Describe key concepts in sociology as based upon a department approved assessment and rubric.

#### 1.5.2 Learning Activities

Students will be required to attend a civic function, school board meeting, community activity or a state or national meeting about needs. A written report using proper grammatical usage will be submitted as well as a list of sociological terms used during the meeting. Power points over various culture differences will be given to show real world differences. The assessment will be based upon a common department rubric.

[SocRubric Original](#) [PDF 293 KB AUG 27, 2019]

#### 1.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	<b>General Education Outcomes</b>
Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

#### 1.5.4 Measure of Success

70% of students who take the assessment will score at least 24 points on the department approved rubric for communication, empirical and quantitative skills, and critical thinking; and at least 7 points on the department approved rubric for social responsibility. This will be graded on a common assessment and rubric.

Program Name: SOCI.1306

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

SOCI 1306, Social Problems

### 1.1 Division-Department

Social Sciences - Sociology

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

**General Education (Use for LEAPs)**      General Education Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Identify multidimensional aspects of social problems including the global, political, economic, and cultural dimensions of social problems. This will be assessed upon a common rubric.

[SocRubric Original](#) [PDF 293 KB AUG 27, 2019]

#### 1.4.2 Learning Activities

Students will be required to attend a civic function, school board meeting, community activity or a state or national meeting about needs. A written report using proper grammatical usage will be submitted as well as a list of sociological terms used during the meeting.

Power points over various culture differences will be given to show real world differences.

Historical analysis of a problem using proper research techniques will also be discussed in class.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### General Outcomes Links

**General**      General

<b>Education (Use for LEAPs)</b>	<b>Education Outcomes</b>
Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

#### 1.4.4 Measure of Success

70% of students assessed will score at least 24 points on the communication, critical thinking, and empirical/quantitative rubric as approved by the department and at least 7 points on the social responsibility rubric as approved by the department. Attached is the rubric.

[SocRubric Original](#) [PDF 293 KB AUG 27, 2019]

Program Name: SOCI.2301

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

SOCI 2301, Marriage and the Family

### 1.1 Division-Department

Social Sciences - Sociology

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Critically evaluate such issues as sexuality, partner choice, resolving marital issues, having and raising children, and combining work with family. This will be assessed on a common rubric.

[SocRubric Original](#) [PDF 293 KB AUG 27, 2019]

#### 1.4.2 Learning Activities

The internet will be used in an individual written assignment to research the areas of sexuality, partner choice, resolving marital issues, children and work using proper research techniques and grammatical usage.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Empirical and Quantitative Skills	Empirical and Quantitative Skills (EQS): To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

#### 1.4.4 Measure of Success

70% of the students taking the assessment will score at least 24 points on communication, critical thinking, and empirical and quantitative skills, based upon the department approved rubric and at least 7 points on the department approved rubric for social responsibility. This is based upon the approved department common rubric.

[SocRubric Original](#) [PDF 293 KB AUG 27, 2019]

Program Name: SPAN.1411

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

SPAN 1411, Beginning Spanish I

### 1.1 Division-Department

Language Arts - Spanish

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will identify and discuss traditions, customs and values of the Hispanic world, and compare and contrast them with characteristics of their own culture.

#### 1.4.2 Learning Activities

Student groups will be assigned to particular nations in the Spanish language world, and they will discuss traditions and differences in cultures on a listening portion an assessment.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
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Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

#### **1.4.4 Measure of Success**

75% of enrolled students will (suggested learning activity) and demonstrate at least 70% mastery in (core objectives)

Program Name: SPAN.1412

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

SPAN 1412, Beginning Spanish II

### 1.1 Division-Department

Language Arts - Spanish

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will identify and discuss traditions, customs and values of the Hispanic world.

#### 1.4.2 Learning Activities

The students will study various religious and secular customs and holidays celebrated in Spanish language countries and answer listening questions in part of an exam.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
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Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

#### **1.4.4 Measure of Success**

75% of enrolled students will (suggested learning activity) and demonstrate at least 70% mastery in (core objectives)

Program Name: SPAN.2311

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

SPAN 2311, Intermediate Spanish I

### 1.1 Division-Department

Language Arts - Spanish

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will produce oral Spanish comprehensible to native speakers using complex grammatical structures to narrate, describe, and elicit information.

#### 1.4.2 Learning Activities

Student will answer questions in a oral portion of an exam.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
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Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

#### **1.4.4 Measure of Success**

80% of enrolled students will (suggested learning activity) and demonstrate at least 70% mastery in (core objectives)

Program Name: SPAN.2312

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

SPAN 2312, Intermediate Spanish II

### 1.1 Division-Department

Language Arts - Spanish

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will summarize authentic spoken discourse produced by Spanish speakers of diverse origins.

#### 1.4.2 Learning Activities

Students will be assigned one country corresponding to each culture in the Encuentros cultural unit in the textbook. The student will verbally present information over the assigned information to the class. The student will respond to a listening exercise in a reflective dialogue that will lead the student to explore all necessary points regarding key ideas, and perspectives. Distance and face to face classes will employ a Powerpoint without written prompts.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Social Responsibility	Social Responsibility (SR): To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

#### **1.4.4 Measure of Success**

75% of enrolled students will (suggested learning activity) and demonstrate at least 70% mastery in (core objectives)

Program Name: SPCH.1315

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

SPCH 1315, Public Speaking

### 1.1 Division-Department

Speech and Fine Arts - Speech

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General</b>	General
<b>Education (Use</b>	Education
<b>for LEAPs)</b>	Outcomes

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

Personal Responsibility

Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Research, develop and deliver extemporaneous speeches with effective verbal and nonverbal techniques

#### 1.4.2 Learning Activities

-Students will produce informative, persuasive and entertainment or special occasion speeches for oral presentation and will be evaluated by the instructor and group members for mechanics, structure, connection of content with main topic, logic and accuracy and depth of content.

-Students will construct a speech outline with an organizational pattern and components that are appropriate for the intended audience.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### General Outcomes Links

<b>General</b>	General
<b>Education (Use</b>	Education
<b>for LEAPs)</b>	Outcomes

Critical Thinking Skills (CT): To include creative thinking, innovation,

Critical Thinking	inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

#### 1.4.4 Measure of Success

80% of students will score at 70% of the available points for Critical Thinking.

80% of students will score at least 70% of the available points for Communication.

### 1.5 Measured Outcome

#### 1.5.1 Student Learning Outcomes

Students will experience continuous improvement in their speech construction and delivery.

#### 1.5.2 Learning Activities

Students will review each of their speeches by watching their speech videos. They will submit a comprehensive self-evaluation including a concrete plan of improvement.

#### 1.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Personal Responsibility

Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

#### 1.5.4 Measure of Success

80% of students will score at 70% at  
Of the available point for Personal Responsibility.

### 1.6 Measured Outcome

#### 1.6.1 Student Learning Outcomes

Develop proficiency in working with groups or in dyads in a variety of situations.

#### 1.6.2 Learning Activities

-Groups select a topic and produce a specific purpose, central idea and formulate three main ideas. The groups orally present their developed topic to the class. The presentation is evaluated by the class for its connection of content with the main topic, logic and accuracy.

-"Seek and Destroy Exercise"-Students present their persuasive propositions and preliminary outlines to a partner for critique.After they have critiqued each other's propositions, they switch partners and the process begins again. The goal is to find as many flaws as possible in the students' arguments so that they can do research to make their speeches stronger.

#### 1.6.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

**General  
Education (Use  
for LEAPs)**      General  
Education  
Outcomes

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

#### **1.6.4 Measure of Success**

80% of the students will score at least 90% of the available points for Teamwork.

Program Name: SPCH.1321

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

SPCH 1321, Business and Professional Communication

### 1.1 Division-Department

Speech and Fine Arts - Speech

### 1.2 Course Type

Academic TVCC Core Course (Transfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills

Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Teamwork

Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

Personal Responsibility

Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Demonstrate written and oral competencies as it relates to employment (including job searches, interviews, interpersonal interaction, conflict management, leadership and performance appraisals.)

#### 1.4.2 Learning Activities

Instructors may choose one or more of these activities.

- Students will complete a written or oral presentation based on an information seeking interview with someone in their desired career or of a different cultural background that will help them identify the connection between the course material and life experiences and will be evaluated by the instructor and group members for mechanics, structure, connection of content with main topic, logic and accuracy and depth of content.

- Students will complete a persuasive oral presentation based on their research of their desired career field or other area of interest, identifying how their own skills qualify them for an entry level position in the field. The presentation will be evaluated by the instructor and group members for mechanics, structure, connection of content with main topic, logic and accuracy and depth of content.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

*General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Critical Thinking	Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Personal Responsibility	Personal Responsibility (PR): To include the ability to connect choices, actions, and consequences to ethical decision-making

#### 1.4.4 Measure of Success

80% of students will score at least 70% of the available points for Critical Thinking.

80% of students will score at least 70% of the available points for Communication.

80% of students will score at least 70% of the available points for Personal Responsibility.

### 1.5 Measured Outcome

#### 1.5.1 Student Learning Outcomes

Apply essential dyadic and small group processes as they relate to the workplace.

#### 1.5.2 Learning Activities

- Students will work in groups to interpreting verbal and nonverbal messages for accuracy, clarity and appropriateness and applying contexts such as culture, gender, status, etc.
- Students will complete an oral presentation with a group to identify and expound on communication theories to improve interpersonal and small group processes in the work place. The presentation will be evaluated by team members, other students and the instructor on the basis of mechanics, structure, connection of content with the main topic, logic, accuracy and depth of content. An example of group acitivity may include a live or recorded PSA. Such an activity would incorporate CT, COMM, TW as well as PR.

#### 1.5.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Communication Skills	Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication
Teamwork	Teamwork (TW): To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

#### 1.5.4 Measure of Success

70% of students will score 80% of the available points for Teamwork.

Program Name: TECA.1311

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course TECA 1311 Educating Young Children

### 1.1 Division-Department

Business and Computer Science - Early Childhood

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Describe early childhood programs and issues in the field of early childhood education.

#### 1.4.2 Learning Activities

Identify, Analyze, Describe, early childhood programs and curricular models that have influenced practice.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 1.4.4 Measure of Success

60 percent of the evaluated students will demonstrate an ability of 70% mastery of the objective

Program Name: TECA.1318

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course TECA 1318 Wellness of the Young Child

### 1.1 Division-Department

Business and Computer Science

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

To acquire an understanding of developmentally appropriate curriculum for young children in nutrition, health, safety, and related situations.

#### 1.4.2 Learning Activities

Describe orally or in writing the principles of healthy behavior and guidance practices that influence nutrition, health, safety, and disease prevention for young children.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 1.4.4 Measure of Success

65 percent of the evaluated students will demonstrate an ability of 70% mastery of the objective

Program Name: TECA.1354

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course TECA 1354 Child Growth & Development

### 1.1 Division-Department

Business and Computer Science - Early Childhood

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

To acquire an understanding of the development of the child from conception through adolescence, with practical application of developmental principles.

#### 1.4.2 Learning Activities

Demonstrate, Describe/Identify the stages development of the child from conception through adolescence in the following domains:

- a. Physical
- b. Cognitive
- c. Social
- d. Emotional

With application of developmental principles and theories, observation, assessment and recognition of growth and development patterns.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Critical Thinking

Critical Thinking Skills (CT): To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Career Entry Skills

Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

**1.4.4 Measure of Success**

65 percent of the evaluated students will demonstrate an ability of 70% mastery of the objective

Program Name: WLDG.1323

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

WLDG 1323, Welding, Safety, Tool and Equipment

### 1.1 Division-Department

Career and Technology - Welding

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation
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### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will be able to use a hand held angle grinder properly and safely.

#### 1.4.2 Learning Activities

Students must demonstrate the ability to assemble and use an angle grinder to grind metal. This project will be evaluating the students ability to choose an appropriate grinding disc (size, maximum speed (RPM), shape and type) for the grinder being used and the metal being ground. It will also evaluate the students ability to use the grinder in a safe and proper manner based upon the developed Rubric.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation
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#### 1.4.4 Measure of Success

90% of all students evaluated will demonstrate the safe and proper use of a hand held angle grinder with 100% mastery.

Program Name: WLDG.1421 (TDCJ)

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

WLDG 1421, Introduction to Welding Fundamentals

### 1.1 Division-Department

TDCJ -Welding

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### General Outcomes Links

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Communication Skills      Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will be able to select proper oxy-acetylene welding tip size for various metal thickness, adjust torch to neutral flame, and perform a corner weld without filler rod.

#### 1.4.2 Learning Activities

Students will use manufacturers charts to select proper tip for metal thickness, attach welding blowpipe to torch body, set proper oxygen and acetylene pressures, use proper tip angle, and control puddle to complete corner weld.

More advanced students will be used as mentors to assist the beginning students.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

##### General Outcomes Links

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Communication Skills      Communication Skills (CM): To include effective development, interpretation and expression of ideas through written, oral and visual communication

Career Entry Skills (CE): Students will be able to demonstrate academic

Career Entry Skills      skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

**1.4.4 Measure of Success**

85% of students will perform mastery of the skills identified in learning activities

Program Name: WLDG.1423 (TDCJ)

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

WLDG 1423, Welding Safety, Tools, & Equip

### 1.1 Division-Department

TDCJ - Welding

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

<b>General Education (Use for LEAPs)</b>	General Education Outcomes
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Career Entry Skills	Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation
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### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will be able to perform a vertical butt weld, a vertical t-weld, and a vertical multipass weld using the GMAW welding process.

Emphasis on the correct GMAW electrode angle for each of the different welds, and major emphasis on correct machine settings for various thickness of metals and positions will be incorporated.

#### 1.4.2 Learning Activities

After instructor demonstration, observing welding video presentation, and reading text assignment, students will perform the t-weld, butt weld and multipass weld in the vertical position.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### 1.4.4 Measure of Success

80% of Students will perform mastery of this task

Program Name: WLDG.1521

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

WLDG 1421, Introduction to Welding Fundamentals

### 1.1 Division-Department

Career and Technology - Welding

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will be able to properly and safely set up and use oxyacetylene cutting equipment.

#### 1.4.2 Learning Activities

Each student will assemble the equipment required to perform oxyacetylene cutting and adjust equipment to cut metal. This project will be evaluated for correct procedures in assembly of equipment and safe operation of the equipment based upon the developed Rubric. This project demonstrates a working knowledge of the equipment and its use.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 1.4.4 Measure of Success

90% of all students evaluated will demonstrate the ability to set up and safely use an oxyacetylene cutting torch.

Program Name: WLDG.2413 (TDCJ)

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## **1 Course**

WLDG 2413, Intermediate Welding Using Multiple Proc.

### **1.1 Division-Department**

TDCJ - Welding

### **1.2 Course Type**

WECM Course (nonTransfer)

### **1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)**

### **1.4 Measured Outcome**

#### **1.4.1 Student Learning Outcomes**

Students will be able to perform a root pass, intermediate pass, and cover pass in a single v butt joint on 3/8 inch plate using a 6010 and a 7018 electrode that will pass a face and root bend test. This will be done in the flat position.

#### **1.4.2 Learning Activities**

After reading the assigned text, observing a welding video presentation, and a demonstration from the instructor, students will prepare a 60 degree single V butt joint on 3/8 inch plate. Students will weld a root pass using E6010 electrode, and an intermediate and cover pass using a E 7018 electrode. This will be done in the flat position. This weld joint will be subjected to a face bend test and a root bend test.

#### **1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)**

85% of Students will perform mastery of this skill.

#### **1.4.4 Measure of Success**

85% of Students will perform mastery of this skill.

Program Name: WLDG.2543

Program Cycle: #7 Sep 1, 2019 to Aug 31, 2020

## 1 Course

WLDG 2543, Advanced Metal Arc Welding

### 1.1 Division-Department

Career and Technology - Welding

### 1.2 Course Type

WECM Course (nonTransfer)

### 1.3 Required General Education Outcomes for Course (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

### 1.4 Measured Outcome

#### 1.4.1 Student Learning Outcomes

Students will be able to perform a root pass, intermediate pass, and cover pass in a single v butt joint on 3/8 inch plate using a 6010 and a 7018 electrode that will pass a face and root bend test. This will be done in the flat position.

#### 1.4.2 Learning Activities

After reading the assigned text, observing a welding video presentation, and a demonstration from the instructor, students will prepare a 60 degree single V butt joint on 3/8 inch plate. Students will weld a root pass using E6010 electrode, and an intermediate and cover pass using a E 7018 electrode. This will be done in the flat position. This weld joint will be subjected to a face bend test and a root bend test.

#### 1.4.3 Required General Education Outcome for this SLO (LINK to selection, use the LINK button)

#### *General Outcomes Links*

**General  
Education  
(Use for  
LEAPs)**      General  
Education  
Outcomes

Career Entry Skills      Career Entry Skills (CE): Students will be able to demonstrate academic skills and workforce skills, knowledge, and abilities necessary to attain entry-level employment in a target occupation

#### 1.4.4 Measure of Success

100% of all students evaluated will be able to perform mastery of this skill.

End of report