



Trinity Valley Community College  
 Student Learning Outcomes  
 Learning Enhancement Annual Plans (LEAPs)

Academic Program Name:

DRAFTING - TDCJ CORFIELD/BETO  
 DFTG 1405/L433

Person Responsible:

Paige McLain  
 Ed Ketchum

\*All items must have significant input of faculty.

July 15, 2005 (Deans & Division Chairs should complete items 1-5 for the 2005-2006 year)

1. **Desired Outcome**

The students will be able to construct orthographic views of mechanical parts.

2. **Implementation Strategy** (Describes the tactic(s) to be used to influence this outcome.)

Example: Community service experiences will be used to have students to gain a better understanding of poverty.

Through lectures, demonstrations, and assignments the students will learn the aspects of orthographic projections.

3. **Assessment Method** (The method or methods you will use to determine if students achieve the desired outcome?)

Early in the course and at the end, individual students will be scored using a Rubric that evaluates their knowledge and performance of orthographic projections.

4. **Assessment Criteria** (This answers the question "how do you know" that students [in aggregate] are able to achieve the desired outcome.)

Example: 75% of students will be able to perform at a certain level on an assessment activity.

75% of students will have a minimum of 13 points on the exit Rubric.

5. Narrative description of **the relationship of the outcome to TVCC's General Education Outcomes**. (if applicable).

- Critical thinking skills are needed to evaluate the projection process.
- Oral communication skills are needed to discuss and convey the steps involved.
- Computer literacy is needed to understand and use the AutoCAD software program.

6. **Select the TVCC General Education Outcome** that this objective relates to.

(Indicate by Marking the appropriate box with an "X")

- |  |   |   |
|--|---|---|
| <input checked="" type="checkbox"/> Oral Communication | <input type="checkbox"/> Written Communication        | <input checked="" type="checkbox"/> Reading Comprehension |
| <input checked="" type="checkbox"/> Computer Literacy  | <input checked="" type="checkbox"/> Critical Thinking | <input checked="" type="checkbox"/> Mathematics           |

August 2005 thru June 2006 (Faculty, Division Chairs & Deans should engage in Item 7)

7. **Implementation and Ongoing assessment** throughout the year.

July 15, 2006 (Faculty, Division Chairs & Deans should complete items 8 & 9 for the 2005-2006 year)

8. **Narrative of the observed results using the assessment method & criteria described above.**  
 (what did you observe?)

9. **Description of the changes that are made as a result of what was learned.**  
 (what types of changes were made to your course, program, curriculum, instructional technique, implementation strategies, etc... as a result of what you learned?)



Trinity Valley Community College  
 Student Learning Outcomes  
 Learning Enhancement Annual Plans (LEAPs)

Academic Program Name:

DRAWING - TDCI-COFFIELD/BETO  
 DFTG:1409/2440

Person Responsible:

Paige McLain  
 Ed Ketchum

\*All items must have significant input of faculty.

July 15, 2005 (Deans & Division Chairs should complete items 1-6 for the 2005-2006 year)

2. **Desired Outcome**

The students will be able to create and assemble parts using the AutoDesk 3D Mechanical Desktop program.

2. **Implementation Strategy** (Describes the tactic[s] to be used to influence this outcome.)

Example: Community service experiences will be used to have students to gain a better understanding of poverty.

Through lectures, demonstrations, tutorials, and assignments the necessary criteria will be conveyed to the student.

3. **Assessment Method** (The method or methods you will use to determine if students achieve the desired outcome?)

An exit assignment will be used to evaluate the student's knowledge of the 3D software program.

4. **Assessment Criteria** (This answers the question "how do you know" that students [in aggregate] are able to achieve the desired outcome.)

Example: 75% of students will be able to perform at a certain level on an assessment activity.

70% of the class will have a minimum exit assignment average of 75 to show a minimum level of knowledge or that understanding is emerging or developing.

5. **Narrative description of the relationship of the outcome to TVCC's General Education Outcomes.** (if applicable).

Critical thinking skills are needed to evaluate the design process.  
 Oral communication skills are needed to discuss the design process.  
 Computer literacy is needed to understand and use the 3D software program.

7. **Select the TVCC General Education Outcome that this objective relates to.**

(Indicate by Marking the appropriate box with an "X")

- |  |   |  |
|--|---|--|
| <input checked="" type="checkbox"/> Oral Communication | <input type="checkbox"/> Written Communication        | <input type="checkbox"/> Reading Comprehension |
| <input checked="" type="checkbox"/> Computer Literacy  | <input checked="" type="checkbox"/> Critical Thinking | <input type="checkbox"/> Mathematics           |

August 2005 thru June 2006 (Faculty, Division Chairs & Deans should engage in item 7)

7. **Implementation and Ongoing assessment** throughout the year.

July 15, 2005 (Faculty, Division Chairs & Deans should complete items 8 & 9 for the 2005-2006 year)

8. **Narrative of the observed results using the assessment method & criteria described above.** (what did you observe?)

9. **Description of the changes that are made as a result of what was learned.** (what types of changes were made to your course, program, curriculum, instructional technique, implementation strategies, etc... as a result of what you learned?)



Trinity Valley Community College  
 Student Learning Outcomes  
 Learning Enhancement Annual Plans (LEAPs)

Academic Program Name:

DRAFTING - TDCI COFFIELD/BETON  
 DFTG 1417/1452

Person Responsible:

Paige McLain  
 Ed Ketchum

\*All items must have significant input of faculty.

July 15, 2005 (Deans & Division Chairs should complete items 1-5 for the 2005-2006 year)

3. **Desired Outcome**

The students will be able to design and arrange a complete set of construction drawings for a residential structure.

2. **Implementation Strategy** (Describes the tactic[s] to be used to influence this outcome.)

Example: Community service experiences will be used to have students to gain a better understanding of poverty.

Through lectures, demonstrations, and code hand-outs students will learn the concepts of residential design.

3. **Assessment Method** (The method or methods you will use to determine if students achieve the desired outcome?)

Evaluation of the various aspects of the construction documents created by the student will be used to assess their knowledge and abilities.

4. **Assessment Criteria** (This answers the question "how do you know" that students [in aggregate] are able to achieve the desired outcome.)

Example: 75% of students will be able to perform at a certain level on an assessment activity.

70% of the class will have a minimum project assignment average of 75 to show a minimum level of knowledge.

5. Narrative description of **the relationship of the outcome to TVCC's General Education Outcomes**. (if applicable).

- Critical thinking skills are needed to evaluate and process the design according to local codes.
- Oral communication skills are needed to convey information between the designer (student) and the client (instructor).
- Computer literacy is needed to understand and use the AutoCAD software program.

8. **Select the TVCC General Education Outcome** that this objective relates to.

(Indicate by Marking the appropriate box with an "X")

<input checked="" type="checkbox"/> Oral Communication	<input type="checkbox"/> Written Communication	<input checked="" type="checkbox"/> Reading Comprehension
<input checked="" type="checkbox"/> Computer Literacy	<input checked="" type="checkbox"/> Critical Thinking	<input checked="" type="checkbox"/> Mathematics

August 2005 thru June 2006 (Faculty, Division Chairs & Deans should engage in item 7)

7. **Implementation and Ongoing assessment** throughout the year.

July 15, 2006 (Faculty, Division Chairs & Deans should complete items 8 & 9 for the 2005-2006 year)

8. **Narrative of the observed results using the assessment method & criteria described above.**  
 (what did you observe?)

9. **Description of the changes that are made as a result of what was learned.**  
 (what types of changes were made to your course, program, curriculum, instructional technique, implementation strategies, etc... as a result of what you learned?)