



**TRINITY VALLEY COMMUNITY COLLEGE
ADMINISTRATIVE-MASTER SYLLABUS**

The Administrative- Master Syllabus is an administrative tool; it is **not intended to be distributed to students.** It is the intention of this Administrative-Master Syllabus to provide a general description of the course, outline the required elements of the course and to lay the foundation for course assessment for the improvement of student learning, as specified by the faculty of TVCC, regardless of who teaches the course, the timeframe by which it is instructed, or the instructional method by which the course is delivered. It is not intended to restrict the manner by which an individual faculty member teaches the course but to be an administrative tool to aid in the improvement of instruction. The Administrative-Master Syllabus will demonstrate that there is consistency and comparability in course offerings.

Course Title

Architectural Drafting - Commercial

Course Prefix and Number

DFTG 2328

Department – Division

Drafting – Vocational/Technical

Course Type – select from one of the following categories.

- Academic General Education Course (from ACGM – but not in TVCC Core)
- Academic TVCC Core Course
- WECM Courses

Semester Credit Hours: Lecture Hours: Lab/other hours

Semester Credit Hours	Lecture Hours	Lab/Other* Hours
3	2	4

Other hours include practicum, clinical or other types of non-lecture instruction. *If other, please specify: _____

Course Catalog Description

Architectural drafting procedures, practices, and symbols including the preparation of detailed working drawings for a commercial building, with emphasis on commercial construction methods. The students will exhibit a general understanding of architectural terms, symbols, use of commercial construction materials and processes, and a general knowledge of drawing production processes. The student will demonstrate the ability to produce a set of commercial construction drawings to include a site plan, floor plans, reflected ceiling plan, sections, elevations, schedules, and details.

Prerequisites/co requisites

DFTG 1309 Basic Computer Aided Drafting
ENGR 1304 Engineering Graphics 1
Or Consent of instructor

Topical Outline

- 1) Investigation of Commercial Architecture Practices
 - a) Building a Skyscraper
 - i) The skeleton
 - ii) The exterior
 - iii) The human environment
 - iv) The arteries
 - b) Americans with Disabilities Act (ADA)
 - c) Texas Accessibility Standards (TAS)
- 2) Project Investigation – Office Building
 - a) Floor Plan – first floor
 - i) Exterior walls
 - ii) Interior walls
 - iii) Doors and windows
 - iv) Elevator
 - v) Curtain walls
 - vi) Cabinets
 - vii) Fixtures
 - b) Floor Plan – subsequent floors
 - i) Stairs
 - ii) Interior walls
 - iii) Doors and windows
 - c) Roof
 - i) Types
 - ii) Systems
 - iii) Skylights
 - d) Floor Systems
 - e) Reflected Ceiling Plans
 - i) Ceiling Systems

- ii) Fixtures
 - iii) Annotations
- f) Elevations
 - i) Interior
 - ii) Exterior
- g) Sections
 - i) Floor Sections
 - ii) Wall Sections
- h) Schedules
 - i) Room, door, and window tags
 - ii) Room Schedules
 - iii) Door Schedules
 - iv) Window Schedules
- i) Photo-realistic Renderings
- j) Construction Documents

<p>Course Learning Outcomes</p>
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Upon completion of this course, the student will be able to:

- 1) Demonstrate an understanding and practical proficiency in dimensioning architectural drawings
- 2) Have an elementary understanding of materials and processes related to commercial construction
- 3) Demonstrate an understanding of commercial space planning
- 4) Demonstrate an understanding and practical proficiency in determining requirements and layout of a formal floor plan
- 5) Demonstrate an understanding of foundation plan material requirements and practical proficiency in drawing and detailing a typical wall section
- 6) Demonstrate an understanding of typical wall section material requirements and practical proficiency in drawing and detailing a typical wall section
- 7) Demonstrate an understanding of door and window schedules
- 8) Demonstrate practical proficiency in drawing and detailing elevation views
- 9) Demonstrate an understanding of electrical requirements and practical proficiency in drawing and detailing an electrical plan
- 10) Demonstrate an understanding of heating and air-conditioning requirements and practical proficiency in drawing and detailing a mechanical plan.

<p>Relationship to General Education Outcomes – In addition to the core competencies, Trinity Valley Community College has established ten general education goals which specify knowledge and skills that students should gain from completing courses in the various component areas of the core curriculum. Information regarding curriculum and assessment as a means for the improvement of student learning through the general education component. (Select all that apply.)</p>
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Mark with an "X"	General Education Outcome
	A. To communicate clearly and effectively in both oral and written English.
	B. To improve reading skills focused on comprehending, analyzing, interpreting, and evaluating printed materials.
	C. To understand mathematical information and utilize mathematical skills.
X	D. To demonstrate qualitative and quantitative critical thinking skills.
	E. To understand and appreciate cultural and ethnic diversity.
X	F. To utilize computer based technology in accessing information, solving problems, and communicating.
	G. To recognize and evaluate artistic achievements in the visual and performing arts.
	H. To improve basic understanding of political, economic, and social systems.
	I. To demonstrate knowledge of the physical universe and living systems.
	J. To develop skills and strategies to become an engaged learner.

Required Text(s)

Commercial Design using Revit Architecture 2008
 Daniel John Stine
Schroff Development Corporation
 ISBN: 978-1-58503-375-1

Optional Text(s)

NONE

Material/Technology to be supplied by the student.

Optional USB Flash Drive for back ups

Course Requirements/Grading System – describe any course specific requirements such as research papers or reading assignments and the generalized grading format for the course; not intended to restrict the individual nature by which each faculty member who teaches the course determines course requirements and final student performance, but should offer consistency within reason for all sections taught for those departments without a standardized format.

The student will produce and offer a complete set of construction plans for evaluation. Various portions of the plan will be due at specified points throughout the semester. Your grade will be computed as follows:

Construction plans 90%
Final Exam 10%
100%

Approvals – the contents of this document have been reviewed and are found to be accurate.

Prepared by	Signature	Date
Department Head	Signature	Date
Division Chair	Signature	Date
Vice President	Signature	Date