



**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 - Residential

**Course Prefix and Number**

DFTG 1317

**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 preparation of detailed working drawings for residential structure with emphasis on light frame construction methods. The student will demonstrate a general understanding of architectural terms, symbols, use of residential construction materials and processes, and knowledge of reference materials. The student will demonstrate the ability to produce a set of residential construction drawings to include: site plan, elevations, wall sections, schedules, details and foundation plan.

## **Prerequisites/co requisites**

DFTG 1309 Basic Computer Aided Drafting

## **Topical Outline**

- 1) Architectural Drafting Fundamentals
- 2) Introduction to Architectural Computer Aided Drafting
- 3) Room and Space Planning
  - a) Sleeping areas
  - b) Bath facilities
  - c) Living areas
  - d) Service areas
- 4) Formulating a Design
  - a) The floor plan
  - b) Roof designs
  - c) Elevations
  - d) Plot plan
  - e) Foundation plan
  - f) Electrical plan
  - g) Plumbing plan
- 5) Construction Systems
  - a) Floor construction
  - b) Wall and ceiling construction
  - c) Doors and windows
  - d) Stairs
  - e) Fireplaces, chimneys, and stoves
- 6) Presentation methods

## **Course Learning Outcomes**

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 residential construction
- 3) Demonstrate an understanding of residential home 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.

**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.)

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)**Architecture – Residential Drafting and Design

Clois E. Kicklighter, Joan C. Kicklighter

*The Goodheart-Wilcox Company, Inc.*

ISBN: 978-1-59070-699-2

**Optional Text(s)**

NONE

**Material/Technology to be supplied by the student.**

Optional USB Flash Drive for backup purposes

**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.

Complete set of plans	80%
Unit Tests (2-3)	10%
Final Exam	<u>10%</u>
	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