

El Paso Community College
Syllabus
Part II
Official Course Description

SUBJECT AREA	<u>Computer-Aided Design</u>
COURSE RUBRIC AND NUMBER	<u>DFTG 2328</u>
COURSE TITLE	<u>Architectural Drafting-Commercial</u>
COURSE CREDIT HOURS	<u>3 2 :</u> <u>4</u>
	Credits Lec Lab

I. Catalog Description

Introduces architectural drafting procedures, practices, and symbols including the preparation of detailed working drawings for a commercial building, with emphasis on commercial construction methods.

Prerequisite: DFTG 1309. (2:4).

II. Course Objectives

Upon satisfactory completion of this course, the student will be able to:

- A. Unit I. Site and Landscape Plans**
 Draw a site and landscape plane given sketches and instructions.
- B. Unit II. Floor Plan**
1. Draw floor plan/or multilevel floor plans from given preliminary sketches and instructions.
 2. Generate schedules for doors, windows, and finishes on above floor plan.
- C. Unit III. Electrical/Special Plans**
1. Draw an electrical plan given preliminary sketches and instructions
 2. Develop electrical details, schedules and electrical riser and block diagrams
 3. Develop special systems plan; telephone, intercom, security, etc.
- D. Unit IV. Foundation Plan**
1. Draw a foundation plan given sketches and instructions
 2. Draw details of various foundations sections given sketches and instructions
- E. Unit V. Elevations**
1. Draw exterior elevations of a building given sketches and instructions.
 2. Differentiate among structural members and annotate general structural notes and labels.
- F. Unit VI. Details**
1. Draw details of miscellaneous items as assigned by the instructor such as details of bathrooms, kitchens, etc.
 2. Draw wall sections as assigned by the instructor showing all details and notes.
 3. Demonstrate skills in photo editing software and utilize virtual navigation software.
 4. Demonstrate technical writing skills

G. Unit VII. Section Drawings

1. Draw details of stairways or elevator shaft.
2. Draw transverse or longitudinal section of building.

H. Unit VIII. HVAC/Plumbing and Fire Protection

1. Draw a mechanical plan (HVAC) with equipment schedule given appropriate engineering sketches and instructions.
2. Develop a plumbing plan (hot and cold water supply) with appropriate fixture schedule and riser diagram given sketches and instructions.
3. Develop a fire protection plan to include schedules, details, and riser diagram.

III. THECB Learning Outcomes (WECM)

1. Apply commercial construction materials and processes.
2. Produce a set of commercial construction drawings including a site plan, floor plans, reflected ceiling plan, sections, elevations, schedules, and details.

IV. Evaluation

A. Challenge Exam

There is a challenge exam available for this course. Coordination for any challenge exam should be made through the Drafting Department Coordinator.

B. Post-assessment

1. The instructor will maintain a continuous record of each student's progress.
2. Students should be evaluated periodically throughout the semester.
3. The instructor will determine the weight of each graded assignment.
4. Instructors may require drawing assignments, quizzes, practical/written drawing exams, and formal exams.

C. Grading Scale

- A = 92.5 - 100
- B = 85.0 - 92.4
- C = 75.0 - 84.9
- D = 65.0 - 74.9
- F = below 65
- I = Incomplete
- W = Withdrew or Withdrawn

For grade percentage of individual assignments and exams refer to the Syllabus - Instructor's Course Requirements.

V. Disability Statement (Americans with Disabilities Act [ADA])

EPCC offers a variety of services to persons with documented sensory, mental, physical, or temporary disabling conditions to promote success in classes. If you have a disability and believe you may need services, you are encouraged to contact the Center for Students with Disabilities to discuss your needs with a counselor. All discussions and documentation are kept confidential. Offices located: VV Rm C-112 (831-2426); TM Rm 1400 (831-5808); RG Rm B-201 (831-4198); NWC Rm M-54 (831-8815); and MDP Rm A-125 (831-7024).

VI. 6 Drop Rule

Students who began attending Texas public institutions of higher education for the first time during the Fall 2007 semester or later are subject to a 6-Drop limit for all undergraduate classes. Developmental, ESL,

Dual Credit and Early College High School classes are exempt from this rule. All students should consult with their instructor before dropping a class. Academic assistance is available. Students are encouraged to see Counseling Services if dropping because exemptions may apply. Refer to the EPCC catalog and website for additional information.