El Paso Community College
Syllabus
Part II
Official Course Description

SUBJECT AREA	**Computer-Aided Design**
COURSE RUBRIC AND NUMBER	**DFTG 2427**
COURSE TITLE	**Landscape Drafting**
COURSE CREDIT HOURS	**4 3 ; 3** **Credits Lec Lab**

I. Catalog Description

Studies the site planning and landscape design. **Prerequisite: DFTG 1309. (3:3).**

II. Course Objectives

Students will be able to perform basic landscape and irrigation calculations using sketching and basic autocad drafting techniques. The student will also perform site analysis and create planting layouts, employ basic codes and standards, design a landscape and irrigation plan, and select appropriate plants based on use.

A. Unit I. The Landscape Process

1. Identify the landscape process.
2. Determine the client's needs and wants.
3. Incorporate city building codes into the design process.

B. Unit II. Planning and Organization

1. Select a design for a residential home, suitable for a level lot, which satisfies specific material and design parameters.
2. Identify and plan appropriated sheets according to the national CAD standard NCS and practice time management.
3. Organize information, prioritize work flow, and coordinate plans with other disciplines.
4. Maintain project activity log and drawing files.
5. Identify and work with network assets.

C. Unit III. Introduction to Landscape Drafting

1. Identify landscape symbols and terminology.
2. Work with common construction materials used in landscape planters.
3. Research vendor data and specifications utilizing web searches.

D. Unit IV. Determining Your Planting Zone and Appropriate Plant Selection

1. Research the Texas Agrilife Extension Service website (http://elp.tamu.edu). Research USDA Planting Zones (planthardiness.ars.usda.gov).)
2. Visit the City of El Paso's website to download our approved plant list.

E. Unit V. Plant Identification

1. Select appropriate plants.
2. Determine the origin of plants.

3. Identify the common and botanical names of local plants.
4. Design a landscape with native plants.

F. Unit VI. The Outdoor Room

1. Use architectural elements mixed with plants and water features.
2. Identify hardscapes and lighting principles.
3. Determine proper site locations of outdoor elements.
4. Create outdoor use areas.

G. Unit VII Xeriscaping

1. Identify the principles of xeriscaping.
2. Select drought-tolerant plants.
3. Employ irrigation basics in xeriscaping.

H. Unit VIII. Irrigation Theory

1. Trace the history of irrigation.
2. Identify the different types of landscape irrigation systems.
3. Determine the available water pressure.

I. Unit IX. The Principles of Landscape Design

1. Apply principles of proficient design.
2. Apply the principle of balance.

III. THECB Learning Outcomes (WECM)

1. Perform a site analysis.
2. Develop a layout for plant materials and site amenities.
3. Explain plant material selection.
4. Design an irrigation system.
5. Apply codes and standards.
6. Develop a cost estimate for a landscape project.
7. Develop project specifications.

IV. Evaluation

A. Tests and Projects

1. Students a**r**e evaluated with two (2) exams or performance tests during the semester.
2. The material covered comes from the lectures, text, and assigned readings.
3. There is combination of short essay, true/false, definitions, identifications, and performance of design skills on the tests.
4. Communicate via e-mail to coordinate and develop project, take meeting notes, interface with clients (internal and external), and recognize cost reduction opportunities.
5. Explain howtime management impacts on project timelines and practice time management
6. Assemble plans to IAW NCS/AIA standards and maintain drawing files and project activity log
   Implement data management
   Organize and manage project data
   Practice document control

B. Lab Projects and Performance Test

1. There are numerous lab projects throughout the semester to be done in lab time with some outside assigned research. Various projects are part of a performance test and receive a grade.
2. Lab projects are graded on the basis of creativity, functionality, knowledge of CAD and BIM procedures, and application of design concepts and solutions.

3. There is a comprehensive final project on CAD or BIM procedures, space planning, and furniture arrangement meeting functional design criteria.

C. Grading Scale

A = 95 - 100
B = 86 - 94
C = 75 - 85
D = 65 - 74
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.