

El Paso Community College

Syllabus

Part II

Official Course Description

SUBJECT AREA	<u>Architecture</u>
COURSE RUBIC AND NUMBER	<u>ARCH 1315</u>
COURSE TITLE	<u>Architectural Computer Graphics</u>
COURSE CREDIT HOURS	<u>3 2 : 4</u> Credits Lec Lab

I. Catalog Description

Effective use of representational media, computer aided design, and digital media to engage formal, organizational, and environmental principles. Emphasis on the appropriate media to inform two-dimensional and three-dimensional design based upon the conventions of architectural graphic communication. Course is intended to fulfill all or part of the following National Architectural Accrediting Board (NAAB) Student Performance Criteria: A.1 Professional Communication Skills; A.4 Architecture Design Skills. **(2:4). Lab fee.**

II. Course Objectives

Prepare the student to focus on developing Computer Assisted Drawings (CAD) and develop the student's 3D modeling skills; understanding techniques to apply those skills to the design process.

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

- A. Employ appropriate representational media, including computer technology, to convey essential formal elements of each stage of the programming and design process.
- B. Develop a comprehensive design presentation, including plans, elevations, sections, axonometric, perspectives and appropriate graphics to communicate schematic and preliminary design decisions.
- C. Manage Windows OS to operate programs, and to manage computer folders and files in order to develop design drawings and presentations.

III. THECB Learning Outcomes (ACGM)

Upon successful completion of this course, students will:

- 1. Execute and understand digital design software.
- 2. Produce digital drawings that clearly and accurately communicate design intentions.
- 3. Manage and reproduce digital files.
- 4. Compose and present drawings with attention to line weight, character, and accuracy.
- 5. Compare and interpret the relationship between analogue and digital techniques in the design process.
- 6. Produce quality images and publications suitable for portfolios.
- 7. Recognize various digital media used to create presentations for target audiences within the profession and the general public.

IV. Evaluations

The grading criteria is based on unit exams, presentations, etc. at the instructor's discretion.

Grading (see above note)

90-100%	=	A
80-89	=	B
70-79	=	C
60-69	=	D
Below 60	=	F
Incomplete	=	I
Withdrawn or Withdrawn	=	W

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.

VII. Title IX and Sex Discrimination

Title 9 (20 U.S.C. 1681 & 34 C.F.R. Part 106) states the following "No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any educational program or activity receiving Federal financial assistance." The Violence Against Women Act (VAWA) prohibits stalking, date violence, sexual violence, and domestic violence for all students, employees and visitors (male and female). If you have any concerns related to discrimination, harassment, or assault (of any type) you can contact the Assistant to the Vice President for Student and Enrollment Services at 915-831-2655. Employees can call the Manager of Employee Relations at 915-831-6458. Reports of sexual assault/violence may also be reported to EPCC Police at 915-831-2200.