



Course Syllabus

Course #: CAD 1240 Course Name: Architectural CAD

Division: Engineering and Industrial Technologies

Class Days:

Class Time: TBA

Location: Classroom: CAD Lab

Laboratory: CAD Lab

Credit Hours: 3

Contact Hours: 3

Lab Hours: 2 Lecture Hours: 1

Instructor: William Hotz

Office Location: E215G

Phone: 419-559-2448

Email Address: whotz@terra.edu

Office Hours: TBD

Division Office/Location: Engineering Building Division Fax: 419-334-2300

Full-time Contact Person: Jayne Bowersox

Phone(s): (419) 559-2410

Course Description: The application of CAD in architectural drafting in developing floor plans, building sections, site plans, and wall sections is studied. (Spring)

Prerequisite(s): ADT 1110, CAD 1110

Co-requisite(s): ADT 1200

Entry Level Skills and Knowledge:

Understanding of architectural drawings basic CAD functions

Required Texts, Supplies and Equipment:

Current text is Student Handouts

Grading:

100 - 90% = A

89 - 80% = B

79 - 70% = C

69 - 60% = D

59 - 0% = NC

Learning Outcomes:

General Education

1. **Communicate effectively**
2. **Evaluate arguments in a logical fashion**—Competence in analysis and logical argument are explicit learning goals for most general education programs, although these skills go by a variety of names (e.g., critical thinking, analysis, logical thinking, etc.). **Students will be able to demonstrate competence in problem solving in communication, mathematics, and in team settings.**
3. **Employ the methods of inquiry characteristic of natural sciences, social sciences, mathematics, and the arts and humanities;** general education introduces students to methods of inquiry in several fields of study and thereby prepares students to integrate information from different disciplines.

Assessment of Student Learning:

Assessment Project and Measurement in course (if any):

Plan of Work:

Sessions 1-4	Title Block and Base part Design title block and have require information Layers, Line Weight and Drafting Standards
Sessions 5-8	Floor Plan
Sessions 9-12	Elevations
Sessions 13-16	Sections
Sessions 17-22	Details & Schedules
Sessions 23-24	Assembling drawings
Sessions 25-26	Fix Drawings
Sessions 27-30	3d Architectural models

Course Requirements:

Complete all assignments as required

1. Develop skills in drawing with CAD floor plans, building elevations, building sections and details.
2. To become familiar with the use of layers, line thicknesses and line types.
3. Develop skills to assemble drawings for plotting purposes.

Policies

Course Withdrawing: If for any reason you need to withdraw from this course, be certain that you do so according to College procedure. It is your responsibility to know and follow this procedure. If you simply stop coming to class, without officially withdrawing from the course, your grade is an automatic “F.” Please follow official College procedure for withdrawing from this or any course.

College Academic Policies are located in the College Catalog. A copy of the current catalog may be picked up in any of the division offices or admissions. The list of college policies is also available online at <https://www.terra.edu/register/Collegecat/policies.asp>.

Support Services: The College offers a number of support services to assist in your success in this course and all courses. Among these services are the Writing & Math Center in B105, the Office of Learning Support Services, which coordinates the campus disability services and tutoring programs, the computer labs, and the computers in the atriums.

Any student who feels he/she may need an accommodation based on the documentation of a disability should contact the Office of Learning Support Services privately to discuss his/her specific issues. Please contact the OLSS at (419) 334-8400 X 208 or visit 100 Roy Klay Hall (Building A) to coordinate reasonable accommodations.

If you have a documented disability and are receiving academic accommodations through the Office of Learning Support Services, please schedule a meeting with your instructor in a timely manner so that we may discuss how these services will be arranged.

Tutoring services are available to students beginning the second week of every quarter. Students requesting tutoring services should obtain a tutor request form from the OLSS in 100 Roy Klay Hall (Building A) or online at the Terra website. Please note that instructor verification and acceptance of the Student Learner Agreement is necessary for all tutoring requests. All requests should be submitted to 100 Roy Klay Hall (Building A).