

A D E S 4615 Topics: - A U T O C A D, SUMMER 2 0 26

Monday 5:30pm to 8:20 pm

Classroom: ART 338

COURSE SYLLABUS

Instructor: Shi-Jen Feng

COURSE DESCRIPTION: This course introduces basic AutoCAD applications for the production of standard drawings.

COURSE OBJECTIVES: Through participation in course discussions and completion of course assignments, students will acquire and demonstrate competency in AutoCAD drafting skills and basic techniques of

- AutoCAD Interface
- Basic Commands
- Drawing Setup
- Drawing Standard & Organization
- Title Block & Template
- External Referencing
- Layers & Blocks
- Texts, Annotation, and Dimensioning
- Printing & Plotting

REQUIRED TEXT: Seidler, D. (2025). Digital drawing for designers: A visual guide to AutoCAD. Fairchild Publications. ISBN: 9798765122686 1

REQUIRED SUPPLIES: A flash drive, external storage drive, cloud storage (at least 1 GB), or equivalent equipment, for electronic data storage is necessary in each class period. Students

are responsible for saving their data on this personal storage device. Students must have at least two backups of their data. (e,g. cloud and flash drive or external drive)

COURSE STRUCTURE: This course is offered in a lecture/lab format with three contact hours per week. The course consists of drafting projects and in-class exercises. Students will complete in-class exercises and discuss topics in each class session. Individual review will be limited if it intervenes with overall course progress. Exercises and drafting projects will be required outside of regular class hours.

STUDENT EVALUATION: Grades are a weighted average earned for the attendance and participation in class, in class exercises, and assigned projects. Students **MUST** demonstrate their mastery of digital drafting techniques introduced in class.

In-Class Exercises 25%

Project 1 25%

Project 2 25%

Project 3 25%

A letter grade will be submitted based on the weighted average as follows:

90% and above A (Excellent work)

80% to 89.99% B (Very Good work)

70% to 79.99% C (Passing work)

60% to 69.99% D (Poor work)

Anything below 60% F (Failing work)

In-Class Exercises: Students will involve analyzing orthographic images of objects and drafting them using AutoCAD.

Project 1: This project is to generate fundamental documents using construction and building as an example. 2-D techniques will be introduced. Students will generate a floor plan using the building shell provided by the instructor. The examples will teach you the basic skill set and will enable you to translate to future projects.

Project 2: This project is to produce documents utilizing layers, annotation tools, and drawing setups using AutoCAD. The example will enable you to generate professional design drawings for design intent communications between various trades.

Project 3: This project is to generate documents of a more complex design of one item of the student's choosing using AutoCAD. Students will reinforce their experience in design. This project will require the development of detailing in the documents.

Attendance is mandatory. The majority of exercise work is performed in class. Punctuality is required and considered an indication of professionalism and responsibility. Late arrivals (10 minutes after the start of class) and early departures (prior to the last 15 minutes of class) will be considered an absence.

- Three absences will result in a letter grade reduction in the final grade **regardless if the absences are excused or unexcused.**
- Each subsequent absence will result in a further letter grade reduction.
- Five unexcused absences will result in failure of the course.

Approved absences are those due to medical emergency or death in the immediate family. **Those absences will need to be verified by the student through the Dean of Students.** Both excused and unexcused absences affect your class experience. Students are responsible for signing the role, tracking their absences, and obtaining any missed material from their classmates and postings on Canvas. Each student will be held individually responsible for responding to announcements regarding any and all aspects of this course, and for receiving and storing all handouts.

Each student is also individually responsible for acquiring lecture notes from a classmate if they miss a given class session.

The instructor will not repeat material missed due to absence.

Contact the instructor via the Canvas course email system. **Use ADES 4615 in your subject line.**

AMERICAN DISABILITIES ACT: UNT is committed to your academic access for all qualified students, including those with disabilities. In keeping with this commitment and in order to facilitate equality of educational access, faculty members will make reasonable accommodations for qualified students with a disability, such as appropriate adjustments to the classroom environment and the teaching, testing, or learning methodologies when doing so does not fundamentally alter the course.

If you have a disability, it is your responsibility to obtain verifying information from the Office of Disability Accommodation (ODA) and to inform the instructor of your need for an accommodation prior to the course start and shared with the instructor at the first day of class.

Information on how to obtain academic accommodations can be found in UNT Policy 18.1.14, at www.unt.edu/oda, and by visiting the ODA in Room 321 of the University Union. You also may call the ODA at 940.565.4323. DISCLAIMER:

The instructor reserves the right to alter and amend this syllabus when necessary. Changes of the syllabus will be announced on Canvas.