Edison State Community College
Syllabus Part II
MET 130 AutoCAD 1 Fall 2026

INSTRUCTOR: Thomas Looker B.S. MET Purdue University, 1990 M.S. Engineering Univ. Toledo, 2009

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Class time: Tuesday and Thursday8:30 A.M. to 9:45 A.M.
Office hours M 3:30-5:30 T/Th 9:45-10:30 Wed 11-12:30pm 4:30-5:30pm

Class Schedule/Activities: (Subject to Change)

Week 1	Tues Aug 25th	Introduction to AutoCAD Features Working with Drawings
	Thur Aug 27th	Introduction to Drawing and Editing
Week 2	Tues Sept 1st	Drawing Basic Object Shapes
	Thur Sept 3rd	Line Standards, Drawing Format, and Printing
Week 3		
	Tues Sept 8th	Object Snap and Auto Tracking
	Thur Sept 10th	Construction Tools and Multiview
Week 4	Tues Sept 15th	Placing Text on Drawings
	Thur Sept 17th	Modifying Objects
Week 5	Tues Sept 22nd	Test #1
	Thur Sept 24th	Arranging and Patterning Objects
Week 6	Tues Sept 29th	Grips , Properties Techniques
	Thur Oct 1st	Polyline and Spline
Week 7	Tues Oct 6th	Obtaining Drawing Information
	Thur Oct 8th	Dimensioning
Week 8	Tues Oct 13th	Dimensioning Features and Alternatives
	Thur Oct 15th	Dimensioning with Tolerances / Editing
Week 9	Tues Oct 20th	Tables
	Thur Oct 22nd	Parametric Drafting
Week 10	Tues Oct 27th	Section Views and Graphic Patterns
	Thur Oct 29th	Test #2
Week 11	Tues Nov 3rd	Standard Blocks
	Thur Nov 5th	Personal project – Assembly with Title block
Week 12	Tues Nov 10th	Block Attributes / Dynamic Blocks
	Thur Nov 12th	Layouts and Plotting Setup
Week 13	Tues Nov 17th	External References / sheet sets / 3D

	Thur Nov 19th	Test #3
Week 14	Tues Nov 24th	Class Project
	Thur Nov 26th	THANKSGIVING – no class
Week 15	Tues Dec 1st	Class Project
	Thur Dec 3rd	Class Project
Week 16	Tues Dec 8th	Final Exam 8:30 AM

This schedule represents probable dates for major activities, is provided for planning purposes, and is subject to change based on the needs of the class. All changes will be announced in lecture.

Evaluation Method

Homework 40%
Tests 30%
Design Project 15%
Final Exam 15%

Grade Distribution (Examinations/Quizzes, Homework, Project, Paper and Final Grade)

Points Grade

90 - 100 A
80 - 89 B
70 - 79 C
60 - 69 D
59 and below F

Project:
Possible Project:
Select an object to make a complete drawing with all required views and dimensions, etc. A complete drawing or set of drawings. There will be an assembly drawing with detail drawings as a package. This includes your own letterhead and drawing icons.

Further information to be given in class.

Design Project:
Details provided in class – will start between week 10 and 15

Policy Statements

Regular attendance is extremely important in order that students may benefit from supplementary material presented in class and from class discussions. Further, those who miss class or do not attend, typically are those needing the most help during the classes that they do attend. This situation will not be acceptable to me or to those students who attend every lecture. If a student must miss a class, the student is responsible for checking with a classmate to determine what material was covered in his or her absence. The instructor will provide any handouts that were missed, but do not expect the missed class to be reviewed. Students who miss class are responsible for doing the exercises that were completed during the missed class/classes.

Students who miss examinations are responsible for contacting the instructor to schedule the make up examination. Make up examinations must be completed before the next class meeting.

I subscribe to the philosophy that education is a two-way street. It's not just my responsibility to teach, but it is also your responsibility to learn. Therefore, I expect that you will do the reading assignments prior to class and come to class prepared to do class exercises, ask questions and enter into discussions.

Academic dishonesty in any form will not be tolerated. Copying homework from other individuals will result in receiving no credit for the assignment. Any additional violation will result in a failing grade for the course.

Edison State Community College is committed to providing an environment respectful of students' beliefs. Students are permitted to be absent for up to 3 days each semester based on their faith, religion, or spiritual belief system with no academic penalty. Students must complete the Testing Your Faith Act Accommodations Form, https://www.edisonohio.edu/Registration-and-Records/ and provide a copy to their individual faculty within 14 days from the start of the course. The entire policy can be found in the student handbook at http://stage.edisonohio.edu/digipub/StudentHandbook/index.html.

Any student late to class or wearing sunglasses needs to bring organic chocolate donuts and or pizza the next class period to share – no exceptions!! ....

SYLLABUS

PART I

EDISON COMMUNITY COLLEGE

MET 130S – AUTOCAD I

3 CREDIT HOURS

COURSE DESCRIPTION:

Introduction to the basics of computer-aided drafting using computer and textbook-based materials. Prerequisite: CIT 100S and EGR 110S. Lab fee.

COURSE GOALS:

The student will:

1. Recognize the components of a CAD system.
2. Set up drawing parameters.
3. Classify absolute, relative, and polar coordinate systems.
4. Creating and edit precise two-dimensional geometry in the CAD system.
5. Place geometry, notes, and dimensions on different layers in a CAD drawing.
6. Control line type patterns, weights, and colors in a CAD system.
7. Add text to a drawing using different fonts in a CAD system.
8. Set up drawing limits and units of measure in a CAD system.
9. Control the display while creating and editing two-dimensional geometry.
10. Plot two-dimensional geometry, borders, and title blocks at various scale factors
11. Complete geometric construction with the aid of the computer.
12. Complete section, isometric, and auxiliary views of objects in the CAD system.
13. Add dimensions and tolerances to with ANSI standards.

TOPIC OUTLINE:

1. Drawing basic entities.
2. Coordinate Systems.
3. Basic geometry editing techniques and selection sets.
4. Precision drawing using object snaps.
5. Drawing with grids and snap settings.
6. Geometry editing commands.
7. Controlling the display.
8. Adding text to the drawing and controlling text format and fonts.
9. Setting up drawing parameters and layers.
10. Plotting drawings.
11. Scaling CAD drawings.
12. Geometric constructions in the CAD system.
13. Multiview drawing and controlling linetypes.
14. Dimensioning in the CAD system.
15. Controlling the format of dimensions.
16. Obtaining information from the CAD drawing.
17. Hatching section views.
18. Isometric drawings in the CAD system.
19. Creating auxiliary views.

TEXT:

No text required