



Course Syllabus Computer Aided Drafting: CAD 174

Faculty Name:	
Course Information:	COMPUTER AIDED DRAFTING: CAD 174
Course Section, Term and Year:	
Course Meeting Times & Location:	

Contact:

Phone Number:	
Office Location:	
Email address:	
Enter days/time you are available to meet with students.	

Netiquette

Respect the diversity of opinions among the instructor and classmates and engage with them in a courteous, respectful, and professional manner. All posts and classroom communication must be conducted in accordance with the student code of conduct. Think before you push the Send button. Did you say just what you meant? How will the person on the other end interpret the words?

Communication:

Faculty Communication with Students:

Discuss how faculty will contact students.

Student Communication with Faculty:

Discuss how students will contact faculty when they have questions or concerns.

Course Description:

CAD 174 Computer Aided Drafting: Auto CAD

2-2-3

This course teaches the basics of computer aided drafting, using the AutoCAD software package, as applied to engineering type drawings. Topics include geometric construction basics, object properties, polar and delta positioning, orthographic views, dimensioning and auxiliary and sectional views. Three-dimensional drawing and solid modeling will be introduced, using the AutoDesk Inventor software.

Course Learning Outcomes:

The student will be able to:

1. Demonstrate an understanding of fundamental drafting concepts including construction lines, dimensioning, and isometric drawings.
2. Complete an orthographic representation of any mechanical object, including any hatch or auxiliary views using AutoCAD 2015.
3. Demonstrate an understanding of 3D solid modeling concepts including parametric modeling and assemblies.
4. Complete a solid model of any mechanical object using Autodesk Inventor 2015.

General Education Learning Outcomes:

N/A

Program Learning Outcomes **-(Outcomes Relevant to Course are Shaded)**

ELECTRICAL TECHNOLOGY A.A.S.

The student will be able to:

1. Demonstrate fundamental knowledge and hands-on competence in the areas of electricity, electronics, digital electronics, industrial electronics, microprocessors, fiber optics, semiconductor fabrication, telecommunications and computer-aided design.
2. Conduct experiments and then analyze, interpret and report results.
3. Demonstrate troubleshooting proficiency and the proper use of electrical diagnostic test instruments.
4. Demonstrate an ability to work independently and in teams.

Course Resources:

Textbook:	Enter title, edition, author, ISBN for required text.
Materials:	Enter all additional required materials and tools needed to complete course here.
Access:	List access codes needed for websites or other software. .

Course Policies:

Click here to describe how students will participate in your class. Include policies regarding missed exams, makeup exams, extra credit assignments, late assignments, missed assignments, etc.

Course Delivery:

Course Content:

Lecture Format:

Student Expectations specific to this course:

Course Outline and Schedule

Grading Method:

Click here to enter a clear explanation of how students will be evaluated, including a description of course assessments and a statement of the assessment process and measurements. Include weight/percentages for quizzes, exams, papers, projects, homework, attendance, participation, etc.

Grading Scale:

Letter	Grade Range
A	Enter range for A.
A-	Enter range for A-.
B+	Enter range for B+.
B	Enter range for B.
B-	Enter range for B-.
C+	Enter range for C+.
C	Enter range for C.
D	Enter range for D.
F	Enter range for F.

Earn an FMCC Micro-credential Badge:

Check this link to see if this course meets a requirement for an FM Micro-credential Badge:

<https://www.credly.com/organizations/fulton-montgomery-community-college/badges>