

Syllabus

CAD Applications in Manufacturing
(Solidworks)

MFTS 120
Hudson Valley Community College
Manufacturing Technical Systems

Instructor: R. Dean Odell

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Office Hours: Meetings available by appointment.

Course Textbook:
TEXT: Solidworks 2022 Tutorial
Author: David C. Planchard CSWP
ISBN: 9781630574727

Course Description:

This course is designed to teach students about the relevance and applications of computer aided drafting within the field of manufacturing. Students will learn about modeling, assembling and drawing preparation.

Activities and Assignments:

This class will contain 3 areas of work for grading as follows:

1. Class Assignments: Homework assignments will be posted on Brightspace and turned in on Brightspace.
2. Midterm Exam: The Midterm Exam will test solid modeling proficiency.
3. Final Exam: The Final Exam will test the student's ability to produce models, assemblies and drawings.

Grade Computation:

Class Assignments.....	50 points
Midterm Exam.....	25 points
Final Exam.....	25 points

Student Academic Responsibilities:

It is expected that for every hour spent in class, the same must be allotted to study outside of class. You should be prepared to spend at least 3 hours a week outside of class studying and working through the concepts learned in class. There are CAD capable computers in the GHCAMS building and the Library with regular posted hours.

Personal Computer Policy:

You will need access to a computer with internet access to complete this course. The Computer Learning Center is your resource for any software or connectivity issues.

Here is the contact information:

Computer Learning Center
Marvin Library Learning Commons, Lower Level
[\(518\) 629-7891](tel:5186297891)
clchelp@hvcc.edu

Hours While Classes are in Session

Monday – Thursday: 8 a.m. – 8 p.m.

Friday: 8 a.m. – 5 p.m.

Saturday: 10 a.m. - 2 p.m.

Sunday: Closed

CLC staff can provide the following services for students:

- Answer personal computer and mobile device questions and issues related to coursework and academic support
- Set-up of wireless configuration
- Assist with computer accounts, including password resets
- Connection to student email and files (both on- and off-campus)
- Network printing assistance
- Answers and advice to technical questions
- Many more... get in touch with us for support!

NOTE: These services do not include troubleshooting hardware issues.

Attendance Policy:

This course is entirely online. You are expected to log in at least once a week to stay current on assignments.

Plagiarism Policy:

It is unacceptable to copy and pass off as one's own the ideas or words of another without properly crediting the source. Instances of inappropriate or unacceptable academic behavior will be treated on a case by case basis with the consequences ranging from no credit on the assignment to automatic failure of or removal from the course. In addition, college authorities may be notified. See page 131 of the Student Handbook, "ARTICLE VII.CODE OF CONDUCT FOR ACADEMIC ETHICS" for specific details on the plagiarism policy. Students are required to abide by this document. See page 121, ARTICLE II. PURPOSE AND INTENT:

"The student is charged with the responsibility of becoming familiar with the codes and regulations and the procedures for enforcing them and acting accordingly"

- * Various free online software is available to check your work.
- * The school library will assist in preparation of written assignments.

CAD files are subject to the same requirements. The instructor has the ability to view the metadata of assignments. All work must be created and saved by the student that turns the work in. If more than one student turns in the same work, each student will receive the same penalty.

Accommodations for Students with Disabilities

In compliance with the Americans with Disabilities Act of 1990 and with Section 504 of the Rehabilitation Act, Hudson Valley Community College is committed to ensuring educational access and accommodations for all its registered students, in order to fully participate in programs and course activities or to meet course requirements. Hudson Valley Community College's students with documented disabilities and medical conditions are encouraged to access these services by registering with the Center for Access and Assistive Technology to discuss their particular needs for accommodations. For information or an appointment contact the Center for Access and Assistive Technology, located in room 130 of the Siek Campus Center or call 518-629-7154/TDD: 518-629-7596.