Syllabus

Print Reading for Manufacturing

MFTS 100

Hudson Valley Community College

Manufacturing Technical Systems

Instructor: R. Dean Odell

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Office Hours:
Posted on office door

Course Textbook(s):

Blueprint Reading for Industry: 11th Edition
Author: Walter C. Brown and Ryan K. Brown

GD&T Application and Interpretation: 7th Edition
Author: Bruce A. Wilson

Course Description:

This course is designed to aid the Manufacturing student in reading, comprehending, and creating drawings currently used in commercial manufacturing. Topics will include: terms and definitions; scales and measurement; standard drawing and dimensioning practices; multi-view drawings; orthographic views; threads, fasteners and gears; Geometric Dimensioning and Tolerancing.

Activities And Assignments:

This class will consist of one hour of in person meeting time and 2 hours of online content. All work online will be asynchronous, meaning you can complete the work at any time before the due date. Assignments will be posted on Brightspace. Assignments will include a combination of video lectures, assigned readings from the textbook, and assessments. A Midterm exam and Final exam will be completed on Brightspace at the appropriate time in the semester. Work will not be accepted late.

1. **Class Assignments:** Will consist of assessments on Brightspace and Class Work Assignments.

2. **Midterm Exam:** The Midterm Exam will test knowledge acquired during the first half of the semester.

3. **Final Exam:** The Final Exam will assess the practical print reading capabilities gained throughout the semester.

Grade Computation: (All grades are available on Brightspace at all times)

Class Assignments: _____50%
Midterm Exam:_____ 25%
Final Exam: _____25%

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 <u>at least</u> 3 hours a week outside of class studying and working through the concepts learned in class.
There are CAD capable computers in the GHC building, and the Library with regular posted hours.

Attendance Policy:

You are expected to attend class and log into Brightspace weekly to complete assignments.

Student Behavioral Objectives:
- Define common drawing terms
- Identify and describe line types, symbols and views
- Recognize and apply standard dimensioning practices including basic concepts of GD&T (Geometric Dimensioning and Tolerancing)
- Sketch single and multi-view drawings for manufacturing applications
- Interpret and analyze assembly drawings

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.

* Various free online software is available to check your work.

* The school library will assist in preparation of written assignments.

Computer 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.

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.