

## **Syllabus**

MFTS 211:  
Manufacturing Processes

Hudson Valley Community College

Advanced Manufacturing  
Technology

Instructor: R. Dean Odell

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**Office Hours:** Posted on office  
door

### **Course Textbook:**

Materials, Productivity, and Lean  
Strategies

ISBN: 9781605255699

Author: David R Hillis

Publisher: Goodheart-Wilcox

**Course Description:**

Processes other than machining such as casting, die casting, plastics molding, hot and cold working, welding, and punch press operations. In addition, established non-traditional machining processes, rapid prototyping systems, and other progressive modern processes and systems will be considered.

**Activities and Assignments:**

This class will be entirely on D2L Brightspace. Assignments will be posted weekly. 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 D2L Brightspace at the appropriate time in the semester.

**Grade Computation:**

Class Assignments: \_\_\_\_\_ 50 percent  
Midterm Exam: \_\_\_\_\_ 25 percent  
Final Exam: \_\_\_\_\_ 25 percent

**Student Objectives:**

Students completing this course should be able to:

1. Identify various common engineering materials and manufacturing processes.
2. Discuss uses, benefits and drawbacks of various materials and manufacturing processes
3. Select and apply common manufacturing processes to the production of a product
4. Apply knowledge of standard industrial procedures and safety practices to other than manufacturing processes.
5. Relate process planning, production planning, and quality control to the competitive production of a product.

## **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.