

# ADM 123 : PLASTIC MATERIAL PROCESSES

This course in plastic materials and processes includes the basic principles and methodology of various material types and manufacturing processes. Comparison of selecting the best type of manufacturing for product will be discussed. Student will learn proper instruction on safety operations, set-up and maintenance and production of parts on a Fused Disposition Manufacturing (FDM) printer or Rapid Prototype (RP) System. Emphasis is directed on 3D modeling software program (such as Solid works) and Insight software 2/3Dsketches. RP manufacturing technologies, FSM usages and processing with various types of manufactured plastics. Upon completion, students should be able to discuss and understand the significance of materials properties and structure, basic rapid photo typing and express and interpret material specifications and be able to select the best process for the type of product being produced.

**Credits 3**

**Lab Hours 2**

**Theory Hours 1**