DET1114 - Manufacturing Processes

Credits:	2 (2/0/0)
Description:	This course develops students' understanding of the manufacturing processes utilized for casting, molding, forming, separating and assembling a variety of manufacturing materials.
Prerequisites:	
Corequisites:	
Pre/Corequisites*:	
Competencies:	1. Analyze and explain the use of expendable and permanent molds for various casting processes. 2. Analyze and explain hot forming, cold forming and molding processes for plastics. 3. Analyze and explain hot forming and cold forming techniques for metals. 4. Analyze and explain hot forming and cold forming techniques for ceramics. 5. Analyze and explain hot forming and cold forming techniques for composite materials. 6. Differentiate between and explain separating techniques for turning, milling and related operations. 7. Differentiate between and explain assembly techniques for welding, adhesive bonding and fastening of plastics and metals.
MnTC goal areas:	None

**Can be taking as a Prerequisite or Corequisite.*

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