

## 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:	<ol style="list-style-type: none"><li>1. Analyze and explain the use of expendable and permanent molds for various casting processes.</li><li>2. Analyze and explain hot forming, cold forming and molding processes for plastics.</li><li>3. Analyze and explain hot forming and cold forming techniques for metals.</li><li>4. Analyze and explain hot forming and cold forming techniques for ceramics.</li><li>5. Analyze and explain hot forming and cold forming techniques for composite materials.</li><li>6. Differentiate between and explain separating techniques for turning, milling and related operations.</li><li>7. Differentiate between and explain assembly techniques for welding, adhesive bonding and fastening of plastics and metals.</li></ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.