

EN8908

Manufacturing Processes



Course Aim To provide engineering students with a critical knowledge and understanding of core engineering manufacturing processes and the ability use specialist skills to solve engineering manufacturing challenges.

Short Title Manufacturing Processes
Faculty EDICT
Polytechnic Level
Credits 10
Pre-requisites EN7908
Co-requisites None
Anti-requisites None

Version 3
Effective From September 1, 2018
Indicative NQF Level 8
Student Contact hrs 50
Self-directed hrs 50
Other directed hrs 0
Total learning hrs 100

Learning Outcomes On successful completion of this course, students will be able to:

- 1 Critically evaluate requirements for engineering prototypes manufacturing, define situations, produce designs and select processes according to industry practice and standards.
- 2 Demonstrate critical knowledge of, and integrate manufacturing design and processes theories .
- 3 Apply engineering process principles and management techniques in order to manufacture sustainable, environmental friendly engineering prototypes.
- 4 Work in groups efficiently taking responsibility and decisions
- 5 Make formal presentations and produce engineering reports to communicate engineering designs and manufacturing processes for prototypes.

NQF Sub-strand
Generic, Problem Solving and Analytical Skills
Theoretical Understanding
Practical Application of knowledge
Communication, ICT, Numeracy
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