

COURSE DETAIL

PRODUCTION PROCESSES

Country

South Africa

Host Institution

University of Cape Town

Program(s)

University of Cape Town

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mechanical Engineering

UCEAP Course Number

108

UCEAP Course Suffix**UCEAP Official Title**

PRODUCTION PROCESSES

UCEAP Transcript Title

PRODUCTION PROCESS

UCEAP Quarter Units

3.00

UCEAP Semester Units

2.00

Course Description

This course presents a range of production processes used in the manufacturing environment, making use of thermal, mechanical, and optical techniques. The manufacturing processes introduced include solidification processes, such as casting methods and forming of plastics; bulk deformation processes, such as extrusion, drawing and rolling; powder metallurgy, sheet metal work, and welding processes. At the end of the course, students are able to select a suitable manufacturing process from a number of available processes, taking into account complexity and reliability, and lot size.

Language(s) of Instruction

English

Host Institution Course Number

MEC3069S

Host Institution Course Title

PRODUCTION PROCESSES

Host Institution Campus

Engineering

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mechanical Engineering

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