

# 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 Course Details

## Host Institution Campus

Engineering

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Mechanical Engineering

## Course Last Reviewed

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