

# COURSE DETAIL

## COMPUTER INTEGRATED MANUFACTURE AND ROBOTICS

**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**

110

**UCEAP Course Suffix****UCEAP Official Title**

COMPUTER INTEGRATED MANUFACTURE AND ROBOTICS

**UCEAP Transcript Title**

COMP INT MANUF&ROBO

**UCEAP Quarter Units**

3.00

**UCEAP Semester Units**

2.00

**Course Description**

This course develops an advanced understanding of computer-integrated manufacture and robotics. Topics include computer integrated manufacturing, computer numerical control (CNC) of machine tools, flexible manufacturing systems (FMS), materials handling and robot directed transfer systems, robot kinematics, low cost automation, software control systems, and hardware interfacing.

**Language(s) of Instruction**

English

**Host Institution Course Number**

MEC3035S

**Host Institution Course Title**

COMPUTER INTEGRATED MANUFACTURE AND ROBOTICS

**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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