

COURSE DETAIL

COMPUTER-AIDED DESIGN AND MANUFACTURE

Country

Hong Kong

Host Institution

University of Hong Kong

Program(s)

University of Hong Kong

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mechanical Engineering

UCEAP Course Number

127

UCEAP Course Suffix**UCEAP Official Title**

COMPUTER-AIDED DESIGN AND MANUFACTURE

UCEAP Transcript Title

CAD/CAM

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course provides a basic understanding of the working principles and applications of computer-aided design and manufacture (CAD/CAM) technologies; and enables the practice of CAD/CAM tools and techniques. Topics include: basic data structuring techniques; transformation techniques; mathematical bases for surface modeling; principles of solid modeling and applications; numerical control; computer-aided production technologies; computer-integrated manufacturing.

Language(s) of Instruction

English

Host Institution Course Number

MECH4407

Host Institution Course Title

COMPUTER-AIDED DESIGN AND MANUFACTURE

Host Institution Campus**Host Institution Faculty****Host Institution Degree****Host Institution Department**

Mechanical Engineering

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