

COURSE DETAIL

DESIGN FOR MANUFACTURE

Country

United Kingdom - England

Host Institution

University of Sussex

Program(s)

University of Sussex

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Engineering

UCEAP Course Number

129

UCEAP Course Suffix**UCEAP Official Title**

DESIGN FOR MANUFACTURE

UCEAP Transcript Title

DESIGN FOR MANUFACT

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course explores concepts of industrial engineering, operations management, materials and processes, product design, quality control, sustainability, and CAD among others. In addition, students examine how these factors have an impact on the manufacturing feasibility of a product. Other topics include tolerancing, process capability, production types, product design specification, rapid manufacturing, cradle-to-cradle design, solid 3D modelling, industrial (ISO and BS) standards, technical drawings, cost estimation, and project planning.

Language(s) of Instruction

English

Host Institution Course Number

H7104

Host Institution Course Title

DESIGN FOR MANUFACTURE

Host Institution Campus

University of Sussex

Host Institution Faculty

Host Institution Degree

Host Institution Department

Engineering and Design

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