

COURSE DETAIL

3D COMPUTER AIDED DESIGN

Country

Ireland

Host Institution

Trinity College Dublin

Program(s)

Trinity College Dublin

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mechanical Engineering

UCEAP Course Number

156

UCEAP Course Suffix**UCEAP Official Title**

3D COMPUTER AIDED DESIGN

UCEAP Transcript Title

3D COMP AID DESIGN

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

The course is mostly focused on self-directed learning through the completion of weekly 2-hour lab with a number of exercises. In addition, there is one lecture per week. Notes and videos are available to progress through the course via blackboard. Students should be able to create 3D models of complex engineering components using CAD software; build engineering assemblies of components using CAD software; interpret manufacturing engineering drawings; construct manufacturing drawings of components and assemblies using CAD software; and analyze engineering components using simulations techniques.

Language(s) of Instruction

English

Host Institution Course Number

MEU23B10

Host Institution Course Title

3D COMPUTER AIDED DESIGN

Host Institution Course Details

<https://my.uceap.universityofcalifornia.edu/sites/default/files/host-course-syl...>

Host Institution Campus

Trinity College Dublin

Host Institution Faculty

Host Institution Degree

Host Institution Department

Engineering

Course Last Reviewed

2024-2025

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