

COURSE DETAIL

MEDICAL DEVICE DESIGN FUNDAMENTALS

Country

Ireland

Host Institution

Trinity College Dublin

Program(s)

Trinity College Dublin

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Bioengineering

UCEAP Course Number

148

UCEAP Course Suffix**UCEAP Official Title**

MEDICAL DEVICE DESIGN FUNDAMENTALS

UCEAP Transcript Title

MED DEVICE DESIGN

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

The course educates students in the area of medical device design. This is a broad course and its focus does not solely revolve around the engineering challenges associated with designing a medical device, lectures focus on many aspects: understanding clinical trial data, understanding the anatomical fundamentals associated with the device area, developing intellectual property strategies, regulation of medical devices, risk analysis, manufacturing techniques and requirements, reimbursement, and case studies of successful and unsuccessful medical device development.

Language(s) of Instruction

English

Host Institution Course Number

MEU44B15

Host Institution Course Title

MEDICAL DEVICE DESIGN FUNDAMENTALS

Host Institution Course Details

Host Institution Campus

Trinity College Dublin

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed

2024-2025

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