

# 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 Campus

Trinity College Dublin

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

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