

# COURSE DETAIL

## TOPICS IN BIOMEDICAL AND HEALTHCARE ENGINEERING

**Country**

Singapore

**Host Institution**

Singapore University of Technology and Design

**Program(s)**

Singapore University of Technology and Design

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Bioengineering

**UCEAP Course Number**

110

**UCEAP Course Suffix****UCEAP Official Title**

TOPICS IN BIOMEDICAL AND HEALTHCARE ENGINEERING

**UCEAP Transcript Title**

TOP BIO&HLTH ENGINR

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

This course introduces the broad discipline of biomedical engineering, and the fundamental life science and engineering principles associated with biomedical systems and healthcare delivery. The course focuses on three key application areas of biomedical implants, instrumentation, and diagnostics, and discusses the theoretical and practical considerations relevant to the design and development of biomedical devices, tools, and systems in these areas.

### Language(s) of Instruction

English

### Host Institution Course Number

30.203

### Host Institution Course Title

TOPICS IN BIOMEDICAL AND HEALTHCARE ENGINEERING

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Engineering Product Development

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