

# COURSE DETAIL

## TISSUE ENGINEERING AND REGENERATIVE MEDICINE

**Country**

United Kingdom - England

**Host Institution**

Imperial College London

**Program(s)**

Imperial College London

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Bioengineering

**UCEAP Course Number**

153

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

TISSUE ENGINEERING AND REGENERATIVE MEDICINE

**UCEAP Transcript Title**

TISSUE ENGINEERING

**UCEAP Quarter Units**

5.00

**UCEAP Semester Units**

3.30

## Course Description

This course introduces students to the fundamental concepts of normal tissue development and how researchers have used this information to imitate nature in a lab setting, engineering cells and tissues that may be used to model diseases, treat disease, or develop drugs. Discussion topics include: societal challenges for tissue engineering, cell building blocks, normal tissue development and regeneration, adult stem cells, induced pluripotent stem cells, challenges in imitating nature, cell and tissue therapy, gene therapy, and drug development.

## Language(s) of Instruction

English

## Host Institution Course Number

BIOE60013

## Host Institution Course Title

TISSUE ENGINEERING AND REGENERATIVE MEDICINE

## Host Institution Course Details

<https://acrobat.adobe.com/link/review?uri=urn%3Aaaid%3Ascde%3AUS%3Abd9f0fc1-807...>

## Host Institution Campus

## Host Institution Faculty

Engineering

## Host Institution Degree

## Host Institution Department

Bioengineering

## Course Last Reviewed

2023-2024

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