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:aaid:scds:US:bd9f0fc1-807a-3499-8...

Host Institution Campus

Host Institution Faculty
Engineering

Host Institution Degree

Host Institution Department
Bioengineering

Course Last Reviewed
2023-2024

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