COURSE DETAIL

FUNDAMENTALS OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE
Country Spain
Host Institution Carlos III University of Madrid
Program(s) Carlos III University of Madrid
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Bioengineering
UCEAP Course Number 114
UCEAP Course Suffix
UCEAP Official Title FUNDAMENTALS OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE
UCEAP Transcript Title TISSUE ENG&REGEN MD
UCEAP Quarter Units 5.00
UCEAP Semester Units

3.30

Course Description

This course offers an overview of tissue engineering in clinical medicine and biomedical research and examines the role of emerging technologies and engineering and life science disciplines in tissue engineering. Topics include: dynamic and structural interactions between mesenchyme and parenchyme, the role of the tissue microenvironment, stem cells, gene and cell-based therapies. Practical sessions at the bioengineering laboratories are also included.

Language(s) of Instruction
English

Host Institution Course Number
15555

Host Institution Course Title
FUNDAMENTOS DE INGENIERÍA DE TEJIDOS Y MEDICINA REGENERATIVA

Host Institution Course Details
https://aplicaciones.uc3m.es/cpa/generaFicha?est=257&plan=419&anio=2024&asig=15...

Host Institution Campus
Leganés

Host Institution Faculty
Escuela Politécnica Superior

Host Institution Degree
Ingeniería Biomédica

Host Institution Department
Bioingeniería e Ingeniería Aeroespacial

Course Last Reviewed

2024-2025

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