COURSE DETAIL

INTRODUCTION TO BIOELECTRONICS 4
Country United Kingdom - Scotland
Host Institution University of Edinburgh
Program(s) University of Edinburgh
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Electrical Engineering Bioengineering
UCEAP Course Number 105
UCEAP Course Suffix
UCEAP Official Title INTRODUCTION TO BIOELECTRONICS 4
UCEAP Transcript Title INTRO BIOELECTRONCS
UCEAP Quarter Units 4.00
UCEAP Semester Units 2.70

Course Description
Bioelectronics involves the application of electronic engineering principles to biology, medicine, and the health sciences. An important part of this is the development of the communication interface between biological materials (cells, tissue, and organs) and electronic components. This course introduces the biochemical, biophysical, and physiological concepts that are of relevance to bioelectronics, and also serves to provide introductory material that is extended in other courses in the MEng program in Electronics with Bioelectronics (specifically those in Biosensors and Biosensor Instrumentation).

Language(s) of Instruction
English

Host Institution Course Number
ELEE11081

Host Institution Course Title
INTRODUCTION TO BIOELECTRONICS 4

Host Institution Campus
Edinburgh

Host Institution Faculty

Host Institution Degree

Host Institution Department
Electronics and Electrical Engineering

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