

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 Course Details**Host Institution Campus**

Edinburgh

Host Institution Faculty**Host Institution Degree****Host Institution Department**

Electronics and Electrical Engineering

Course Last Reviewed

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