

COURSE DETAIL

MEASUREMENT INSTRUMENTATION

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)

Electrical Engineering

UCEAP Course Number

106

UCEAP Course Suffix

E

UCEAP Official Title

MEASUREMENT INSTRUMENTATION

UCEAP Transcript Title

MSRMNT INSTRUMNTATN

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course on measurement instrumentation focuses on the analysis and conceptual design of electronic devices that assist with solving problems in biology and medicine. Special emphasis is placed on understanding possibilities offered by current electronic technology, as well as the problems associated with the development of new electronic technologies of interest in biology and medicine. Topics discussed include: analog electronics for biomedical engineering; sensors and signal conditioning; data acquisition; signal processing.

Language(s) of Instruction

English

Host Institution Course Number

15550

Host Institution Course Title

INSTRUMENTACIÓN DE MEDIDA

Host Institution Campus

Escuela Politécnica Superior (Leganés)

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

Tecnología Electrónica

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