

## COURSE DETAIL

### MEDICAL INSTRUMENTATION AND DESIGN

**Country**

Hong Kong

**Host Institution**

Chinese University of Hong Kong

**Program(s)**

Chinese University of Hong Kong

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Bioengineering

**UCEAP Course Number**

131

**UCEAP Course Suffix****UCEAP Official Title**

MEDICAL INSTRUMENTATION AND DESIGN

**UCEAP Transcript Title**

MEDICAL INSTRUMENTS

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

**Course Description**

In view of the prevalence of the aging population and accompanying chronic illnesses, demands for medical instrumentation and design have been escalating worldwide. This course presents design-thinking skills and their application to the broad medical fields. Laboratory sessions are arranged to train in developing prototypes and enrich understanding of the fundamental design concepts covered in lectures. The course has a main project to develop an innovative medical device.

**Language(s) of Instruction**

English

**Host Institution Course Number**

BMEG3101

**Host Institution Course Title**

MEDICAL INSTRUMENTATION AND DESIGN

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

Biomedical Engineering

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