

# COURSE DETAIL

## NEUROLOGICAL REHABILITATION

**Country**

Ireland

**Host Institution**

Trinity College Dublin

**Program(s)**

Trinity College Dublin

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Psychology Health Sciences

**UCEAP Course Number**

153

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

NEUROLOGICAL REHABILITATION

**UCEAP Transcript Title**

NEUROLOGICAL REHAB

**UCEAP Quarter Units**

4.00

**UCEAP Semester Units**

2.70

## Course Description

This course covers approaches to meeting the needs of people with neurological disorders and progressive neurological diseases. As the production of purposeful goal directed movement pervades all aspects of behavior, there is a specific focus upon the physical, psychological, and social consequences of movement dysfunction. The course deals with the scientific principles underlying neurological rehabilitation, including motor control and learning. Students are also introduced to intervention strategies that are designed to maintain or re-establish functional capability, such as brain-computer interfaces, robot assisted therapy, deep brain stimulation, and cortical stimulation.

### Language(s) of Instruction

English

### Host Institution Course Number

PSU3A59V

### Host Institution Course Title

NEUROLOGICAL REHABILITATION

### Host Institution Campus

Trinity

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Psychology

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