

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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