

# COURSE DETAIL

## THE INTEGRATED BRAIN

**Country**

Australia

**Host Institution**

University of Melbourne

**Program(s)**

University of Melbourne

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Psychology

**UCEAP Course Number**

116

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

THE INTEGRATED BRAIN

**UCEAP Transcript Title**

INTEGRATED BRAIN

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

There are more connections in a human brain than there are stars in the universe. This course focuses on the brain as an integrated system and looks at how its many connected networks achieve coordinated effects, linking the mind to the brain and the body. In exploring integration across the nervous system, this course examines topics such as the effects of neurotransmitters on emotions and behavior, the nature of sleep and wakeful states and transitions between them, and mechanisms underlying the control of body movement. The connections between social factors and brain function is also explored, as well as current ethical dilemmas in the field, such as the ethical consequences associated with recent technologies designed to alter our minds, or enhance brain function beyond normal healthy ranges.

### Language(s) of Instruction

English

### Host Institution Course Number

PSYC30020

### Host Institution Course Title

THE INTEGRATED BRAIN

### Host Institution Campus

Parkville

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Psychology

[Print](#)