

# COURSE DETAIL

## STATISTICAL LEARNING

**Country**

Australia

**Host Institution**

University of Queensland

**Program(s)**

University of Queensland

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Statistics

**UCEAP Course Number**

143

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

STATISTICAL LEARNING

**UCEAP Transcript Title**

STATISTICAL LEARN

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

This course examines key ideas behind algorithms from a statistical perspective, and provide an in-depth knowledge that will enable students to apply the methods with awareness of their strengths and limitations. The topics covered will include probabilistic and analytic foundations, multivariate statistical analysis and machine learning, with a particular focus on clustering, classification, model selection and high-dimensional statistical analysis.

### Language(s) of Instruction

English

### Host Institution Course Number

STAT3006

### Host Institution Course Title

STATISTICAL LEARNING

### Host Institution Campus

St. Lucia

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

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