

# COURSE DETAIL

## STATISTICAL COMPUTING

**Country**

United Kingdom - Scotland

**Host Institution**

University of Edinburgh

**Program(s)**

University of Edinburgh

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Statistics Mathematics

**UCEAP Course Number**

160

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

STATISTICAL COMPUTING

**UCEAP Transcript Title**

STATISTCL COMPUTING

**UCEAP Quarter Units**

4.00

**UCEAP Semester Units**

2.70

## Course Description

This course provides an introduction to programming within the statistical package R. Various computer-intensive statistical algorithms are discussed and their implementation in R is investigated. Topics to include basic commands of R (including plotting graphics); data structures and data manipulation; writing functions and scripts; optimizing functions in R; and programming statistical techniques and interpreting the results (including bootstrap algorithms).

### Language(s) of Instruction

English

### Host Institution Course Number

MATH10093

### Host Institution Course Title

STATISTICAL COMPUTING

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Mathematics

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