

# COURSE DETAIL

## STATISTICAL MODELLING 1

**Country**

United Kingdom - England

**Host Institution**

Imperial College London

**Program(s)**

Imperial College London

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Statistics Mathematics

**UCEAP Course Number**

155

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

STATISTICAL MODELLING 1

**UCEAP Transcript Title**

STAT MODELLING 1

**UCEAP Quarter Units**

5.00

**UCEAP Semester Units**

3.30

## Course Description

This course extends the statistical ideas introduced in the first year to more complex settings. Mathematically, the central concept is the linear model, a framework for statistical modelling that accommodates multiple predictor variables, continuous and categorical, in a unified way. There is a focus on fitting models to real data from a variety of problem domains, using R to perform computations.

## Language(s) of Instruction

English

## Host Institution Course Number

MATH50011

## Host Institution Course Title

STATISTICAL MODELLING 1

## Host Institution Course Details

<https://www.imperial.ac.uk/media/imperial-college/faculty-of-natural-sciences/d...>

## Host Institution Campus

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Mathematics

## Course Last Reviewed

2024-2025

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