

COURSE DETAIL

MEDICAL STATISTICS 2

Country

United Kingdom - England

Host Institution

University College London

Program(s)

University College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Statistics Health Sciences

UCEAP Course Number

160

UCEAP Course Suffix**UCEAP Official Title**

MEDICAL STATISTICS 2

UCEAP Transcript Title

MEDICAL STATISTICS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course provides a continuation of the study of medical statistics, with emphasis on more advanced topics in epidemiological methods and the design and analysis of clinical trials. Students learn how to model survival data using parametric regression models; to develop and validate a risk prediction model; to analyze clustered data using a regression model; to design and analyze a cross-over trial, cluster randomized trial, equivalence trial, and early phase trial; to understand the issues concerning interim analyses and missing data; and to carry out a meta-analysis.

Language(s) of Instruction

English

Host Institution Course Number

STAT0015

Host Institution Course Title

MEDICAL STATISTICS 2

Host Institution Course Details

<https://www.ucl.ac.uk/module-catalogue/modules/medical-statistics-2-STAT0015>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Statistical Science

Course Last Reviewed

2025-2026

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