COURSE DETAIL

ADVANCED BIOSTATISTICS

Country
Ireland

Host Institution
University College Dublin

Program(s)
Irish Universities,University College Dublin

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Statistics

UCEAP Course Number
103

UCEAP Course Suffix

UCEAP Official Title
ADVANCED BIOSTATISTICS

UCEAP Transcript Title
ADV BIOSTATISTICS

UCEAP Quarter Units
6.00

UCEAP Semester Units
4.00

Course Description
Topic in this course include random variation, populations and random samples, descriptive statistics, binomial and normal distributions, hypothesis testing and confidence intervals, sample size calculations, comparison of two populations, hypothesis testing and confidence intervals, independent and paired samples, analysis of categorical data. Chi-square tables, estimation and hypothesis testing for a population proportion, comparing proportions in two or more populations using independent samples, experimental design, validity and efficiency, experimental unit and pseudoreplication, randomization, factorial designs, introduction to linear regression and correlation, one-way ANOVA, two-way ANOVA, and partitioning sums of squares.

Language(s) of Instruction
English

Host Institution Course Number
STAT40430

Host Institution Course Title
ADVANCED BIOSTATISTICS

Host Institution Course Details

Host Institution Campus
UC Dublin

Host Institution Faculty

Host Institution Degree

Host Institution Department
Statistics & Actuarial Science

Course Last Reviewed

Print