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UNSW SCIENCE

School of Maths and Statistics

Course outline

MATH5826

Statistical Methods in Epidemiology

Term 1, 2023

Staff

Position	Name	Email	Room
Lecturer-in-charge	Prof. Jake Olivier	j.olivier@unsw.edu.au	RC-2051

Please refer to your Timetable on MyUNSW for your Lecture Tut, Lab enrolment days and times.

Recommended Reading

Greenberg R. (2001) Medical Epidemiology, 3rd edition. Appleton & Lange.

Woodward M. (2014) Epidemiology: study design and data analysis, 3rd edition. CRC Press.

Course Learning Outcomes (CLO)

CLO1 - Explain the key features of epidemiological studies and what distinguishes them from other types of studies and what distinguishes them from other types of studies with a focus on the statistical methods appropriate for different study designs.

CLO2 - Identify and use measures of disease occurrence and disease-exposure association that are appropriate for different study designs.

CLO3 - Apply linear and generalised linear models for the analysis of epidemiological data

Course Evaluation and Development (MyExperience)

Student feedback is very important to continual course improvement. This is demonstrated within the School of Mathematics and Statistics by the implementation of the UNSW online student survey *myExperience*, which allows students to evaluate their learning experiences in an anonymous way. *myExperience* survey reports are produced for each survey. They are released to staff after all student assessment results are finalised and released to students. Course convenor will use the feedback to make ongoing improvements to the course.