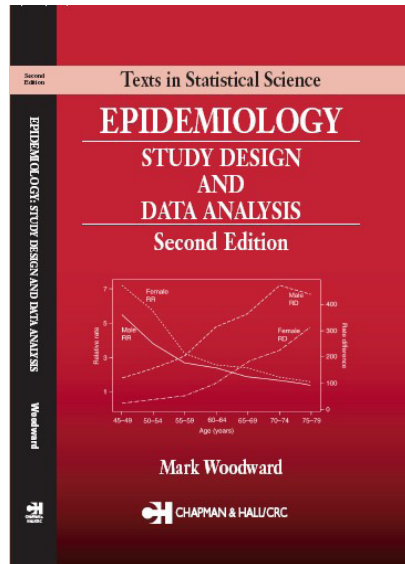


Based on Professor Mark Woodward's book, this three day course aims to build up to date understanding of the statistical principles and methodologies that can be used in Biostatistics, Epidemiology, Public Health and Medical Research.



For more information, please visit The George Institute for International Health's website at:

<http://www.thegeorgeinstitute.org>

Presenters



Mark Woodward

Mark is Professor of Medicine at Mount Sinai Medical Center in New York and Visiting Professor at the George Institute, from where he is on leave of absence. He is also a Visiting Professor at the University of Glasgow, Scotland and Mahidol University, Bangkok, Thailand.



Dr Federica Barzi

Federica is a senior Lecturer in Epidemiology and Biostatistics. She has worked as a statistician and Research Fellow for eight years with experience in clinical trials and cohort studies. She has been working at The George Institute for International Health for seven years.



Dr Rachel Huxley

Rachel is Acting Director of the Nutrition and Lifestyle Division, The George Institute for International Health and is a Conjoint Senior Lecturer at the University of Sydney. Her research interests centre around assessing the impact of major lifestyle determinants on chronic diseases using large scale epidemiological studies and meta-analytic techniques.



THE GEORGE INSTITUTE
for International Health

Essential Methods in Biostatistics & Epidemiology



THE GEORGE INSTITUTE
for International Health

Conference Rooms 1 & 2
The Darlington Centre
City Road, (between Butlin Avenue and Carillion Ave, Darlington)
University of Sydney

Tuesday 12 June to
Thursday 14 June 2007

Dates: Tuesday 12 June – Thursday 14 June 2007

Times: 9.00am - 5.00pm

Location: The Darlington Centre
Conference Rooms 1 & 2
City Road, (between Butlin Avenue
and Carillion Ave, Darlington)
University of Sydney

This three day course aims to build an up-to-date understanding of the statistical principles and methodologies that can be used in biostatistics, epidemiology, public health and medical research. The course will offer all the necessary tools for designing epidemiological studies, analysing data from such studies and interpreting the results. The chief theme will be the study of the relationship between risk factor exposures and the development of diseases in the human population.

The course will use real examples, including computer demonstrations using Excel and STATA. Basic knowledge of statistics, such as might be assimilated from a medical degree course, or a first year course in statistics as part of a science degree, are assumed.

Day 1 – The Basics

Fundamentals of Epidemiology

Covering: Measuring disease; Causality; Cohort studies; Case Control studies; Intervention studies; Relative risk; Odds ratio; Confounding and interaction;

Fundamentals of Biostatistics

Covering: Types of Variables; Estimation & Hypothesis testing; Chi-Square tests; ANOVA; Regression

Day 2 – Study Designs

Sample size

Covering: Power; Means; Proportions; Relative risk

Modelling binary outcome data

Covering: Logistic regression; Interpretation; Hypotheses testing

Day 3 – Modelling and Analysis

Modelling follow-up data

Covering: Survival function and Hazard function; Estimating the Hazard function; Cox models

Meta-analysis

Covering: Pooling Methods; Heterogeneity; Fixed and random effects; Pooling tabular data; Meta-regression

* A copy of the textbook **Epidemiology, Study Design and Data Analysis** will be required for each course participant.

Registration Form

	Price
<input type="checkbox"/> Full cost (including textbook)	AU\$990
<input type="checkbox"/> Full cost (excluding textbook)	AU\$890
<input type="checkbox"/> *Student rate (including textbook)	AU\$860
<input type="checkbox"/> *Student rate (excluding textbook)	AU\$750
<input type="checkbox"/> Group rate (5+ excluding textbook)	AU\$800

Please note this is NOT inclusive of GST

Total

**Please enclose a copy of student ID*

Name _____

Position _____

Address _____

Phone _____

Email _____

Special dietary requirements _____

I enclose a

Cheque / Money order

Please charge my Visa / Mastercard (circle one)

Payable to **The George Institute for International Health**

Name of cardholder _____ Exp date _____

Credit card no. _____

Signature _____

Please note that your contact details will be added to our mailing list. If you do not wish to receive further information on similar courses, please tick the following box

**** Closing date for registrations is 1 June 2007 ****

I understand that if assigned a place, my payment is non-refundable due to numbers being limited. Should all places be filled prior to receipt of this form, my registration payment will be returned to me in full. Should the course be cancelled, my payment will be returned in full.

Signature of registrant _____ Date _____

Please forward registration forms to: **Jenny Tapp**

jtapp@thegeorgeinstitute.org

Tel +61 2 9657 0360 Fax +61 2 9657 0301