

Biostatistics Refresher Course 2012

What is the course all about?

The course aims to refresh your knowledge and skills in biostatistics. It would be useful for you if you intend to analyse your research data or if you plan to enrol in other advanced statistical courses. For those who may be unsure as to whether they need to take the course, a quiz entitled “**Do I need to take the Biostatistics Refresher Course?**” is available on the VPHMgt website:

http://sydney.edu.au/vetscience/publichealth_management/about_us/refresher.shtml

What will I learn?

This course will impart skills in basics of data analysis such as cleaning and manipulating research data, conducting descriptive analyses, interpreting statistics presented in journal articles, comparing means and proportions between two or more groups (using 2-sample t-test, ANOVA and chi-square test) and calculating and interpreting odds ratios. In addition, the course will introduce simple linear regression to make transition to advanced courses easy.

What will not be covered?

This course is designed for beginners, and therefore, will not include advanced data analytical techniques such as multiple linear regression, logistic regression, linear mixed models and generalised linear mixed models.

Who will teach this course?

The course will be taught by distinguished members of the Veterinary Faculty, [Dr Peter Thomson](#), Associate Professor in Veterinary Biometry and [Dr Navneet Dhand](#), Lecturer in Veterinary Biostatistics and Epidemiology.

How does online classroom work?

The course will be delivered in the format of four modules (one module per week) via an online classroom. You will need to work through each module and participate in online learning activities and discussions supported by online facilitators. You do not need to have accessed an online classroom before – instructions and assistance will be provided, as required. The online classroom is asynchronous, meaning you do not need to be online at the same time as the facilitator.

Logistics

The course will be delivered online from **Monday, 30th January to Friday, 24th February 2012** and will cost \$250. Class sizes are limited and will be offered on a first-come first-served basis. To enrol in the course, please contact Ms Emmeline Yeo at emmeline.yeo@sydney.edu.au. Enrolment in the course will be confirmed upon receipt of payment.

Textbook:

Once enrolled, you will receive a study guide and a CD. However, you will also need this book:

Petrie, A. and Watson. P. (2006). *Statistics for Veterinary and Animal Science*. 2nd Edition. Blackwell Publishing.

You can buy the textbook online from <http://www.coop-bookshop.com.au/>.

(Search the title under “Book Search”, then “General Search”), OR alternatively, from:

<http://www.amazon.com>. We would recommend that you purchase this book as soon as you have decided to do this course.

GenStat Software

You would need GenStat statistical programme installed on your computer before the course. A 30-day trial version of the software will be provided to you.

Biostatistics Refresher Course 2012 Enrolment Form

Dates: Monday 30th January to Friday 24th February 2012

Name

UniKey Login (please do not give your password).....

Mailing Address (required)

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Payment Methods

Fee Amount: **AUS\$250.00**. Fee payment is due by **Friday, 20 January 2012**.

1.) Cheque/Money Order:

Cheque/ money order must be made out to **The University of Sydney**.

Please forward fee payment in **Australian Dollars** to:

**Postgraduate Coursework
Faculty of Veterinary Science,
University of Sydney, NSW 2006**

2.) Credit Card Payment:

Payment to be forwarded via:

Fax: +61 2 9351 3056; OR

Email: emmeline.yeo@sydney.edu.au

VISA	MasterCard

Card Number

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Expiry Date (m/y)			
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Name on Card

Cardholder's Signature

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