

**Roehampton
University** 

London

Basics of Research

A one-day course for health professionals and medical personnel

Friday 25 June 2010

Department of Life Sciences, Whitelands College,
Roehampton University, London SW15 4JD

Price £99 (tea and coffee included)

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Aims

To develop skills in research design, statistical analysis and interpretation of results

Learning Outcomes

Students will be able to

- Formulate research questions and hypotheses
- Translate these into a research design
- Identify appropriate statistical techniques to analyse fundamental research designs in medical and healthcare research
- Carry out analysis using commercially available software (Excel and SPSS)
- Extract the relevant information from such analyses and interpret the findings

Syllabus

- Research as a process of critical enquiry
- Hypothesis testing and the concept of probability
- Analysing numerical data
- Tests for differences
- Correlations and regression
- Testing for parametric assumptions
- Review of the day – questions and answers

The day will start at 9am for 9.15am and finish at 5pm with time afterwards for open discussion. Teaching will involve a close integration of overview sessions with practical exercises, the latter delivered in our fully equipped multimedia computer labs. Each person will have their own computer for the day.

A full timetable will be available soon.