

Wednesday Afternoon

7. Study design: case control studies (and appraisal exercise)
8. Discussion point; how much value is there in attempting to rescue a poorly designed study with elaborate analysis

Thursday Morning

9. Study design: qualitative studies (and appraisal exercise)
10. Getting research findings into practice, common problems and possible solutions
11. Course review and feedback

Course Outcomes

At the end of the course delegates should be able to:

1. Understand different approaches to study design including critical analysis of the use of qualitative and quantitative research methods
2. Understand and critically appraise evidence presented in their professional field e.g. journals and professional reports concerning road casualty reduction and relevant allied fields (such as behavioural change)
3. Identify and use academic literature and published sources of data and examine the trustworthiness
4. Recognise the different sources of bias and the effects of confounding factors in evidence
5. Understand the concepts relating to statistical analysis in research studies

Course Delivery

The course will run from Monday lunchtime to Thursday lunchtime. The course will consist of a small number of taught sessions and a larger number of interactive workshop activities. A number of specific pieces of evidence, highly relevant to the current road safety effort, will be examined in detail. These examples will range from speed management to social marketing.

Course Registration

If you wish to attend, please complete the registration form.

This course has been designed so that it can count towards the CPD requirements of relevant professional bodies.

Accommodation

You can choose the option where accommodation is included in the course fees. This option includes 3 nights' accommodation on Bed and Breakfast basis in a 3* hotel, the Astor Hotel located on the historic Hoe, a 20/25 minutes walk from the University campus. More information is available on: www.astorhotel.co.uk



evidence based practice
in road casualty reduction

University of Plymouth

School of Mathematics and Statistics

Evidence Based Practice
in Road Casualty Reduction
CPD course

14 - 17 April 2008

15 - 18 September 2008

4 day Short Course Plymouth Campus



To register, please return this form to:

The Science & Technology Short Course Unit, Faculty of Technology,
007 Smeaton Building, University of Plymouth, Plymouth, PL4 8AA
Tel: (01752) 233304 Fax: (01752) 233305
Email: shortcourseunit@plymouth.ac.uk



Course Introduction

This course will benefit road safety practitioners who wish to enhance their skills in evidence appraisal. It will also benefit allied professionals, such as public health practitioners, who have an advocacy role in road casualty reduction.

Evidence based practice has had a major impact on healthcare by engendering good practice through sound judgement of scientific evidence and continued professional development amongst its practitioners. This course aims to combine the experience and skill of road safety professionals with an evidence based approach known to be successful within healthcare. It will present a critical overview of the evidence sources relevant for those professionals working in Road Casualty Reduction, and will review and develop the skills needed to interpret this research in their professional context.

Name:
Organisation:
Contact Address:.....
Telephone:Fax:.....
Email:.....
If you have any disability or dietary requirements, please state:

Course Fees

- 14 – 17 April 2008
- 15 – 18 September 2008

Registration fees, without accommodation	£420.00
Registration fees, with 3 nights' accommodation	£560.00
Extra night @ £46.50 each (B&B) - please state the date(s):	Sun <input type="checkbox"/> Thurs <input type="checkbox"/>
Total to Pay	

Course fees include attendance at course, course dinner, course material, light refreshments and attendance certificate.
The fees with accommodation include 3 nights (Monday/Tuesday/Wednesday) on Bed & Breakfast basis in the Astor Hotel, a 3* hotel situated at 20/25 minutes walk from the campus.

Payment

Fees may be paid by Cheque, Credit Card or by Invoice (for UK only)

- I enclose a cheque in Pounds Sterling drawn on a UK bank, made payable to **University of Plymouth**
- I wish to pay by credit card.
Please debit my Visa / Mastercard / Delta / Switch card (*delete as appropriate*)
With the following amount £ _____ Cardholder name: _____
Card Number _____ Expiry date: _____ / _____
Issue No. (Switch) _____ Cardholder Signature: _____
(We regret we are unable to accept payments by American Express)
- I wish to pay by invoice, please arrange for an invoice (*for UK only*) to be issued
To: _____ OR: The Address above

NB: A finance contact name and email address MUST also be provided

Please note that any cancellation after the 4 April 2008 (April course) or 5 September 2008 (September course) will incur the full charge unless the place is filled.

Programme

Monday Afternoon

1. Course introduction
2. Types of research: qualitative and quantitative, introduction to important types of study design
3. Appraisal of research: introduction to structured ways of assessing research

Tuesday Morning

4. What we measure
 - (a) Risk and frequency of injury
 - (b) Exposure and "population at risk"
 - (b) Discussion on the role of performance indicators

Tuesday Afternoon

5. Common biases that affect evidence
 - (a) Recording and reporting biases
 - (b) Selection biases
 - (c) Common ways of dealing with unmeasured exposure
 - (d) Association (correlation) between variables
 - (e) Confounding (is an apparent relationship between two variables actually due to a third party)
 - (f) Natural (random) variation and the role of statistical inference in distinguishing signal from noise

Wednesday Morning

6. Study design: randomised controlled trials and cluster trials (and appraisal exercise)