

Introduction to Research Methods For Healthcare Professionals

This introductory module has been specifically developed for healthcare professionals with an interest in research methods. The wholly online course allows engagement with the interactive materials around the participant's busy lifestyle. Throughout the course candidates will gain insight into the history and theory of research methodologies learning the differences between qualitative and quantitative data. Alongside this, students will learn how to design experiments including applying for ethical approval, how to construct hypotheses, statistically analyse data and how to apply all of these methods into their own clinical practice.

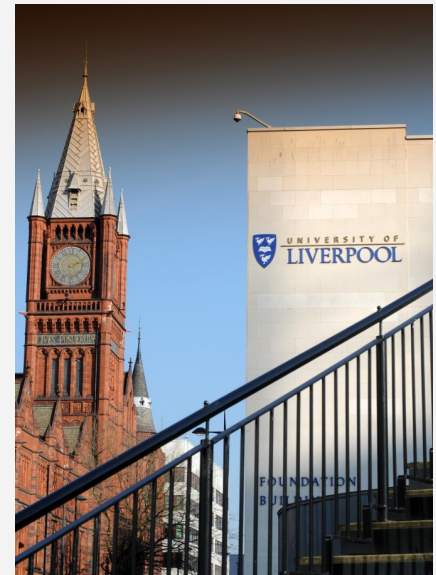
This course uses case studies and practical examples of published research from health and social science to provide a wide perspective on the approaches to developing the evidence base for practice. Students will also benefit from the opportunity to work together in a diverse community of learners, to learn with and from each other in specific discussion forums encouraging multidisciplinary communication. This fifteen-week online course will be highly interactive with audio-visual presentations; interactive discussion boards and data analysis exercises.

Theory:

- Introduction to the evidence base underpinning research methods
- Differences between qualitative and quantitative data
- Research Ethics
- Qualitative research including statistics
- Quantitative research including statistics
- Experimental design and Hypothesis testing
- Principles of writing

Unique Features:

- Data exercises and discussions tailored to specific discipline
- Statistics relevant to subject
- Deconstruction of research methodologies to fully comprehend their correct application
- Both quantitative and qualitative methods
- Lecturers with recognised experience and expertise
- Technology enhanced learning
- Podcasts and web based learning
- Interactive discussions forums
- Wholly online module



For further information please contact hlscpd@liverpool.ac.uk