Liverpool John Moores University

Title:	Research Methodologies for Paramedics
Status:	Definitive
Code:	**5009PPPARA** (119523)
Version Start Date:	01-08-2017
Owning School/Faculty:	Nursing and Allied Health
Teaching School/Faculty:	Nursing and Allied Health

Team	Leader
Kay Hughes	Y

Academic Level:	FHEQ5	**Credit Value:**	24	**Total Delivered Hours:**	61
Total Learning Hours:	240	**Private Study:**	179		

Delivery Options
Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	36
Online	12
Tutorial	1
Workshop	12

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Presentation	Poster	Poster presentation in small groups to demonstrate the evidence base for a contemporary topic in paramedic practice.	50	
Essay	Review	1500 word critical review of a research article	50	

Aims

To provide students with the ability to undertake research in relation to paramedic

practice. To analyse the value of evidence-based research in the development of health care practice.

Learning Outcomes

After completing the module the student should be able to:

1	Appraise the value of research in the critical evaluation of paramedic practice. HCPC 1a8; 2b1; 2c1
2	Identify a range of research methodologies HCPC 2.b1
3	Distinguish between research-based methodologies and other approaches that underpin evidence-based practice. HCPC 2b.1 2c1
4	Appraise current issues relating to evidence based practice and clinical governance. HCPC 2.b1 2.c1
5	Demonstrate findings from a contemporary research issue related to paramedic prcatice

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Poster presentation	3	5	
Article review	1	2	4

Outline Syllabus

Qualitative and quantitative research
Key research methods
Ethical and professional considerations in health care research
Integration of evidence into practice
Evaluating the evidence base
Reliability, validity and rigour in research
Data and information sources

Learning Activities

Lecture
Group work
Small presentations
Tutorial
E learning

Notes

This theory based module runs alongside the second year practice module giving the students the underpinning depth of knowledge that supports their decisions in terms

of the health and well being of their patients in practice. Building on the students understanding of human anatomy and physiology, the pathophysiology of common conditions will be explored. The students will be encouraged to consider the interaction between the aforementioned along with key biological systems, and medical / drug interventions; following a period of study into pharmacology, pharmacokinetics and pharmacodynamics. Case studies will provide the basis to the written exam encompassing anatomy, physiology, pathophysiology and drug interaction, with drug calculations.