MD915-20 Understanding Research & Critical Appraisal in Health Care (Distance Learning)

26/27

Department
Warwick Medical School
Level
Taught Postgraduate Level
Module leader
Abimbola Ayorinde
Credit value
20
Module duration
20 weeks
Assessment
100% coursework
Study location
Distance or Online Delivery

Description

Introductory description

Module web page (https://warwick.ac.uk/fac/sci/med/study/cpd/module_index/md915/)

This is a core module on many taught masters degrees offered by Warwick Medical School. This module introduces the key concepts, theories, and practical skills underpinning research and critical appraisal in healthcare. It focuses on developing an understanding of evidence-based practice and equips students with the ability to evaluate and apply research in clinical, research, and management settings. Students will explore different research designs, critically appraise quantitative and qualitative studies, and interpret findings to inform decision-making.

Module aims

This module aims to enable students to identify, understand, interpret, appraise and plan research relating to health care.

Outline syllabus

This is an indicative module outline only to give an indication of the sort of topics that may be covered. Actual sessions held may differ.

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The module will introduce students to the conceptual basis of evidence-based health care and provide an introduction to research methods. It aims to establish the skills needed to identify, appraise and synthesise research evidence and develop an understanding of the implications of research for clinical practice. It will introduce to students to research approaches including systematic reviewing, quantitative, qualitative and mixed methods research. It will explore the application of various sampling, data collection and data analysis methods. Students will use these skills and understanding to develop and design a relevant research question and a suitable research plan to address the question appropriately.

Learning outcomes

By the end of the module, students should be able to:

- Critique the principles and practice of evidence-based health care.
- Identify and synthesise research evidence from a variety of sources.
- Critically appraise research evidence and demonstrate an understanding of the implications for clinical practice.
- Develop a relevant research question and research plan to address the question.
- Develop transferrable skills in research inquiry and methodologies to enhance employability.

Indicative reading list

Reading lists can be found in Talis

Specific reading list for the module

Subject specific skills

Sound understanding of subject
Critically evaluate
Reflection

Transferable skills

Numeracy
Thinking and problem solving

written communication
oral communication
Teamwork
Organisation & time management
Use of tools and technology
Commercial awareness
Independence and initiative
Adaptability/Flexibility

Study

Study time

Type	Required	Optional
Online learning (scheduled sessions)	(0%)	7 sessions of 1 hour
Online learning (independent)	18 sessions of 2 hours (18%)	
Private study	124 hours (62%)	
Assessment	40 hours (20%)	
Total	200 hours	

Private study description

Total of 200 hours of learning (including work to prepare assessments) at an average of 10 hours/week

Other activity description

Online session for introduction to module and overviews of assignment one and assignment two.

Costs

No further costs have been identified for this module.

Assessment

You must pass all assessment components to pass the module.

Students can register for this module without taking any assessment.

Assessment group A3

	Weighting	Study time	Eligible for self-certification
Assessment component			
3000 word Essay	50%	20 hours	Yes (extension)
3000 word essay demonstrating skills of identifying and critically appraising healthcare research			
Reassessment component is the same			
Assessment component			
Oral Presentation	50%	20 hours	Yes (extension)
Oral presentation of Research Proposal			
Reassessment component is the same			

Feedback on assessment

Essays will be marked and moderated electronically using standardised rubrics, which will provide electronic feedback to the students (including individualised feedback) in line with WMS postgraduate assessment criteria (including submission to Plagiarism software). Further verbal feedback will be available to students on request.

Oral presentations will be assessed summatively by 2 academics and formatively by 2 randomly allocated students (from the group) using standardised rubrics. Students will receive electronic feedback (including individualised feedback) in line with WMS postgraduate assessment criteria. The discussion forum (asynchronous question and answer session) will provide peer review from all the students and selected academics.

Availability

Post-requisite modules

If you pass this module, you can take:

- MD9A3-40 Independent & Supplementary Prescribing for Health Care Professionals
- MD9A2-20 End Point Assessment - Advanced Practice

Anti-requisite modules

If you take this module, you cannot also take:

- MH923-20 Understanding Research & Critical Appraisal in Health Care

Courses

This module is Core for:

- Year 1 of TMDS-B90L Postgraduate Taught Advanced Clinical Practice
- Year 1 of TMDS-B94A Postgraduate Taught Advanced Clinical Practice
- Year 1 of TMDS-B94B Postgraduate Taught Advanced Clinical Practice (Critical Care)
- Year 1 of EMDS-B94C Postgraduate Taught Advanced Clinical Practice (Degree Apprenticeship)
- Year 1 of TMDS-B91O Postgraduate Taught Advanced Critical Care Practice

This module is Core optional for:

- TMHS-B930 MSc in Health Sciences
    - Year 1 of B930 Health Sciences
    - Year 1 of B930 Health Sciences
    - Year 7 of B930 Health Sciences
    - Year 8 of B930 Health Sciences
- Year 1 of TMDS-B9C2 Postgraduate Taught Health Research
- Year 1 of TMHS-B902 Public Health

This module is Optional for:

- Year 1 of TIMA-L981 Postgraduate Social Science Research

This module is Core option list A for:

- TMHS-B906 MSc in Diabetes
    - Year 1 of B906 Diabetes
    - Year 1 of B907 Diabetes (Paediatrics)
- Year 1 of TMHS-B90T Postgraduate Taught Diabetes (PGDip)

This module is Option list A for:

- Year 1 of TMDS-B9C2 Postgraduate Taught Health Research
- Year 1 of TMHS-B902 Public Health