

MD3B1-15 Project Planning

20/21

Department

Warwick Medical School

Level

Undergraduate Level 3

Module leader

Leda Mirbahai

Credit value

15

Module duration

4 weeks

Assessment

100% coursework

Study location

University of Warwick main campus, Coventry

Description

Introductory description

MD3B1-15 Project Planning

[Module web page](#)

Module aims

To equip students with project skills required for planning, managing and conducting an ethically approved and well-designed research project.

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.

The aim of this module is to provide the students with the basic skills and knowledge they will require to successfully undertake their dissertation project. This four week module will be supported with lecture theatre based presentations, interactive presentations and computer cluster based activities. Furthermore, all elements will be supported by TEL activities.

During this module the students will be introduced to project planning, research methods and statistical analysis. They will learn what constitutes a good plan and the important considerations. They will understand how to define technical goals and milestones and appreciate the importance of monitoring progress and adapting the project objectives as in light of progress made and learning gained including risk and contingency planning. Key steps in undertaking a major, original piece of research and writing a project dissertation will be explained, including how to define research questions, identify and review current literature, and correctly report and reference evidence and avoid plagiarism. Students will learn how to communicate ideas simply and unambiguously by correctly structuring a report. They will recognise the different styles of scientific writing and will recognise different sections in a paper. They will learn how to successfully structure and write various sections of a paper, including abstract, introduction, result, discussion and conclusion. Furthermore, they will learn how and when to use informative figures and tables and how to write an informative captions. In addition, in this module students will also explore ethics and legislation in research and how to conduct ethical research. Students will consider how to recognise and respect values of others and how different values can impact research views and positions.

Learning outcomes

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

- To compare and critique the various research methods and techniques employed in health sciences
- To compare and critique the various research methods and techniques employed in health sciences
- To engage successfully with the ethical processes and procedures which regulate research activity in health and medical sciences
- To plan appropriate data management techniques in accordance with relevant legislation

Indicative reading list

1. Hagger-Johnson G. (2014) Introduction to research methods and data analysis in the health sciences. 1st edition. Routledge.
2. Taylor B., Francis K. (2013) Qualitative research in the health sciences (methodologies, methods and processes). 1st edition. Routledge.

3. Bowling A. (2009) Research methods in health. 3rd edition. Open University Press.
4. Koshy et al. (2017) Reflective practice in health care and how to reflect effectively. *Int J Surg Oncol* 128c.xii-WMSEC100919 (nY). 2(6):e20.
5. Rudestam K.E. (2007) *Surviving your dissertation: a comprehensive guide to content and process*. 3rd edition. SAGE Publications, Inc.
6. Ballenger B.P. (2007) *The curious researcher: a guide to writing research papers*. 5th edition. New York: Pearson Longman.
7. Oliver P. (2010) *The student's guide to research ethics (open up study skills)*. 2nd edition. Open University Press.
8. Bowling A. (2014) *Research methods in health: investigating health and health services (UK Higher Education OUP Humanities & Social Sciences Health)*. 4th edition. Open University Press.

Research element

To select appropriate statistical tests for various research designs and communicate reasonable interpretation of data

Subject specific skills

Ability to compare and critique the various research methods and techniques employed in health sciences .

Enabled to engage successfully with the ethical processes and procedures which regulate research activity in To engage successfully with the ethical processes and procedures which regulate research activity in health and medical science.

Transferable skills

The transferable skills gained from the completion of this module include, discipline-specific knowledge, ability to gather and interpret information, ability to analyze data, oral communication skills, ability to make decisions and solve problems, written communication skills, ability to learn quickly, ability to manage a project, and creativity/innovative thinking.

Study

Study time

Type	Required
Lectures	10 sessions of 1 hour (7%)
Seminars	2 sessions of 1 hour (1%)
Practical classes	8 sessions of 1 hour (5%)
Other activity	9 hours (6%)
Private study	121 hours (81%)
Total	150 hours

Private study description

Students would be expected to engage in 121 hours of self-directed learning outside other learning and teaching activities outlined above.

Other activity description

During the module students will also be assigned to a range of other learning activities:

Technology enhanced learning, including the use of online interactive presentations and videos, quizzes (9 hours)

Costs

No further costs have been identified for this module.

Assessment

You do not need to pass all assessment components to pass the module.

Assessment group A

	Weighting	Study time
Data analysis and interpretation workbook	100%	
1. Formative assessment: in-class online activity with feedback (mid module)		
2. Summative data analysis and interpretation workbook (submission at start of term 2)		

Feedback on assessment

The data analysis and interpretation workbook will be marked using standardised rubrics.

Feedback to the students (including individualised feedback) in line with WMS assessment criteria will be given to

the
students. Further verbal feedback will be available to students on request. Each student who fails
the
examination will be offered face to face feedback

Availability

Courses

This module is Core for:

- UMDA-B990 Undergraduate Health and Medical Sciences
 - Year 3 of B990 Health and Medical Sciences
 - Year 3 of B990 Health and Medical Sciences