



## Module Definition Form (MDF)

<b>Module code: MOD011105</b>	<b>Version: 2 Date Amended: 16/Feb/2026</b>
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<b>1. Module Title</b>
Research Skills

<b>2a. Module Leader</b>
William Humphries

<b>2b. School</b>
Faculty of Health, Education and Social Care at ARU Peterborough

<b>2c. Faculty</b>
ARU Peterborough

<b>3a. Level</b>
5

<b>3b. Module Type</b>
Standard (fine graded)

<b>4a. Credits</b>
30

<b>4b. Study Hours</b>
300

<b>5. Restrictions</b>			
Type	Module Code	Module Name	Condition
Pre-requisite:	MOD011099	Academic Skills	Compulsory
Co-requisites:	None		
Exclusions:	None		
<b>Courses to which this module is restricted:</b>	None		

## LEARNING, TEACHING AND ASSESSMENT INFORMATION

### 6a. Module Description

It is well recognised that quantitative and qualitative research designs provide different, but complementary, opportunities for researchers and practitioners to collect and evaluate health and exercise data for the perspective or objective review of evidence to inform future applied practice.

This module follows, and expands upon the knowledge and experience gained from the Level 4 module Academic Skills. The primary purpose of this module is to develop the knowledge-base and applied skills required to produce a substantive independent report supported by research and data interpretation.

By utilising an active and collaborative learning design that requires you to take the position of a researcher or practitioner (a complex problem solver) you will work through real-world questions that need answering. Working as part of a team you will collaborate and contribute to the answering of these questions through collective negotiation and project management. Your development of these key employability skills is important for, and transferable to, any graduate-level job or post-graduate study. We will develop them together within the context of our subject area and the outcomes will support you in the development of your own piece of sustained independent work within your course – The Undergraduate Project/ Placement Project modules

### 6b. Outline Content

#### **Quantitative Research Methods and Analysis**

Description and application of design, data collection and analysis including Chi-square, T-test, ANOVA, Linear/logistical regression

#### **Qualitative Research Methods and Analysis**

Description and application of design, data collection and analysis including interview, focus groups, surveys, questionnaires

#### **Project Management**

Planning and scheduling

Gantt analysis

Ethical and legal considerations

Data analysis and interpretation of information in order to generate a scientific poster.

#### **Preparation for level 6 project module**

Literature review - discuss the mechanisms of review and synthesis of research.

Project proposal

### 6c. Key Texts/Literature

The reading list to support this module is available at: <https://readinglists.aru.ac.uk/>

**6d. Specialist Learning Resources**

SPSS/R/ Python

RevMan

NVivo

**7. Learning Outcomes (threshold standards)**

No.	Type	On successful completion of this module the student will be expected to be able to:
1	Knowledge and Understanding	Critically appraise and demonstrate an applied comprehension of research design.
2	Knowledge and Understanding	Employ data handling and interpretation skills using a various IT resources.
3	Knowledge and Understanding	Propose an appropriate and ethical research or placement plan which is suitable for their particular discipline.
4	Intellectual, practical, affective and transferrable skills	Interact effectively within a learning group, giving and receiving information and ideas and modifying responses where appropriate.
5	Intellectual, practical, affective and transferrable skills	Execute an array of research paradigms that can be applied to multiple industry domains.
6	Intellectual, practical, affective and transferrable skills	Communicate proposed research design or placement effectively.

**8a. Module Occurrence to which this MDF Refers**

Year	Occurrence	Period	Location	Mode of Delivery
2025/6	ZZF	Template For Face To Face Learning Delivery		Face to Face

8b. Learning Activities for the above Module Occurrence			
Learning Activities	Hours	Learning Outcomes	Details of Duration, frequency and other comments
Lectures	60	1-6	3 hours of lectures for 10 weeks each trimester
Other teacher managed learning	12	1-6	3 hours of formative sessions for 2 weeks in each trimester
Student managed learning	228	1-6	Guided Canvas activities and student led wider reading around the subject area
TOTAL:	300		

9. Assessment for the above Module Occurrence					
Assessment No.	Assessment Method	Learning Outcomes	Weighting (%)	Fine Grade or Pass/Fail	Qualifying Mark (%)
010	Coursework	1,2,4,5	50 (%)	Fine Grade	30 (%)
<b>Portfolio of posters/ Logbook (2500 words equivalent)</b>					

Assessment components for Element 010				
Component No.	Assessment Title	Submission Method	Weighting (%)	Components needed for Mark Calculation?
010/1	Logbook		50 (%)	All
010/2	Group work posters		50 (%)	

Assessment No.	Assessment Method	Learning Outcomes	Weighting (%)	Fine Grade or Pass/Fail	Qualifying Mark (%)
011	Coursework	3,6	50 (%)	Fine Grade	30 (%)
<b>Project proposal (2500 words equivalent)</b>					

**In order to pass this module, students are required to achieve an overall mark of 40% (for modules at levels 3, 4, 5 and 6) or 50% (for modules at level 7\*).**

**In addition, students are required to:**

- (a) achieve the qualifying mark for each element of fine graded assessment as specified above**
- (b) pass any pass/fail elements**

**[\* the pass mark of 50% applies for all module occurrences from the academic year 2024/25 – see Section 3a of this MDF to check the level of the module and Section 8a of this MDF to check the academic year]**