

This Version is No Longer Current
 The latest version of this module is available [here](#)

MODULE DESCRIPTOR

Module Title

Research Methods

| | | | |
|-----------|------------|-------------|---------|
| Reference | HS4130 | Version | 1 |
| Created | March 2018 | SCQF Level | SCQF 10 |
| Approved | July 2018 | SCQF Points | 30 |
| Amended | | ECTS Points | 15 |

Aims of Module

To facilitate the students' development of critical analysis of a range of research methods and the critical review of literature to inform the design of a research proposal.

Learning Outcomes for Module

On completion of this module, students are expected to be able to:

- 1 Critically appraise and evaluate the quality of evidence in the area under review.
- 2 Systematically gather, synthesise and critique relevant research literature to develop and support a well defined research question.
- 3 Develop a realistic research proposal justifying design and methods.
- 4 Select and justify appropriate methods of data analysis with due regard to the research question, aim or hypothesis and chosen methodology.
- 5 Critically engage with the ethical implications in the relevant field.

Indicative Module Content

Research methodologies; the research process, primary and secondary research, quantitative and qualitative methodologies, research question, hypothesis design, research aims and objectives. Systematic reviews. Research tools. Critical appraisal of quantitative and qualitative research and systematic reviews. Critical writing. Synthesis and integration of literature. Selection of measurement tools with reference to reliability, validity, sensitivity, specificity and utility. Developing a research proposal. Academic writing. Data handling: data entry, data handling, data analysis and evaluation, excel, Vivo, SPSS, big data, descriptive analysis, parametric and non parametric analysis, content analysis and thematic analysis. Ethics: research governance, ethical issues in research. medical and research ethics. service user involvement.

Module Delivery

Delivery based on lectures, workshops and problem solving tutorials.

Indicative Student Workload

| | Full Time | Part Time |
|--|-----------|-----------|
| Contact Hours | 40 | N/A |
| Non-Contact Hours | 260 | N/A |
| Placement/Work-Based Learning Experience [Notional] Hours | N/A | N/A |
| TOTAL | 300 | N/A |
| <i>Actual Placement hours for professional, statutory or regulatory body</i> | | |

ASSESSMENT PLAN

If a major/minor model is used and box is ticked, % weightings below are indicative only.

Component 1

| | | | | | |
|--------------|---|------------|------|--------------------|---------------|
| Type: | Coursework | Weighting: | 100% | Outcomes Assessed: | 1, 2, 3, 4, 5 |
| Description: | Literature review and research proposal | | | | |

MODULE PERFORMANCE DESCRIPTOR**Explanatory Text**

Literature review and research proposal

| Module Grade | Minimum Requirements to achieve Module Grade: |
|--------------|--|
| A | Grade A in component 1 |
| B | Grade B in component 1 |
| C | Grade C in component 1 |
| D | Grade D in component 1 |
| E | Grade E in component 1 |
| F | Failure to achieve any of the above. |
| NS | Non-submission of work by published deadline or non-attendance for examination |

Module Requirements

| | |
|--------------------------|---|
| Prerequisites for Module | Successful completion of Stage One and Two Modules in the Masters of Occupational Therapy, Diagnostic Radiography, Dietetics and Physiotherapy. |
| Corequisites for module | None. |
| Precluded Modules | None. |

INDICATIVE BIBLIOGRAPHY

- 1 BOWLING. A., 2014. Research Methods in Health: Investigating Health and Health Services. 4th Ed. Maidenhead: McGraw Hill.
- 2 CUNNINGHAM. C.J.L. 2013. Understanding and conducting research in the health science. Oxford: Wiley.
- 3 RITCHIE. J.L. et al. 2014. Qualitative research practice : a guide for social science students and researchers. 2nd Ed. London: Sage Publications.
- 4 DAVIES. M. 2014. Doing a successful research project : using qualitative or quantitative methods. Basingstoke: Palgrave Macmillan.
- 5 Bowers, D. 2013. Understanding Clinical Papers. 3rd Ed. John Wiley and sons.
- 6 GREENHALGH, T. 2014. How to read a paper: the basics of evidence - based medicine. 5th Ed. Wiley-Blackwell. (electronic resource)
- 7 Creswell, J., 2017. Research Design: Qualitative, Quantitative and mixed methods. 5th Ed. Sage.