

Module Title	Reference AC5005
Research Methods	SCQF SCQF
Keywords	Level 10
Quantitative methods; Qualitative methods;	SCQF Points 15
Decision making; Research management	ECTS Points 7.5
	Created May 2002
	Approved August 2008
	Amended September 2003
	Version No. 1

This Version is No Longer Current

The latest version of this module is available [here](#)

Prerequisites for Module

None, apart from course entry requirements.

Corequisite Modules

None.

Precluded Modules

None.

Aims of Module

To provide the student with an ability to identify and utilise appropriate strategies and techniques for the purpose of individual investigations and research.

Learning Outcomes for Module

Indicative Student Workload

<i>Contact Hours</i>	Full Time
Assessments	10
Lectures / seminars	36
<i>Directed Study</i>	
Directed Study	64
<i>Private Study</i>	
Research Methods	40

Mode of Delivery

This module shall be delivered via Full Time with attendance. The Full Time mode is based upon structured reading, formal lectures, tutorials / seminars and student centred problem solving.

Assessment Plan

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

1. Identify relevant and feasible research questions, applying critical theories where appropriate, in relation to an appropriate study topic, as agreed with the project supervisor(s).
2. Demonstrate research skills appropriate to architectural and built environment research study.
3. Demonstrate self-sustaining and cogent research management skills at an appropriate level.
4. Critically evaluate and apply research design and methodology for their chosen dissertation topic.
5. Critically evaluate, where appropriate, the quality and value of research in professional practice.

Indicative Module Content

Research in a professional context, in support of planning, decision making and policy analysis; the impact of research. Research principles (e.g. validity, reliability, generalisability); qualitative and quantitative approaches and rationale (e.g. case studies; action research; surveys;

	Learning Outcomes Assessed
Component 1	1,2,3,4,5

Component 1: The coursework assignment will consist of a fully developed research proposal, which will provide a rationale for the choice of research topic, discuss the choice and validity of data gathering tools to be adopted, outline the research schedule for completing a project and discuss the significance of the chosen topic for the discipline as a whole.

Indicative Bibliography

1. CRESWELL, J. W. 1994. Research design, London: Sage Publications.
2. EASTERBY-SMITH, M. et al. 2012 Management research: an introduction, London: Sage.
3. NACHMIAS, C & NACHMIAS, D. 1996. Research Methods in the Social Sciences, 5th ed. Hodder & Stoughton.
4. GROAT, L.M. AND D. WANG, 2013, Architectural Research Methods, Wiley
5. CRESWELL, J. W. 2013. Qualitative Inquiry and Research Design: Choosing Among Five Approaches, sage publications.
6. Creswell J. W., Research design : qualitative, quantitative & mixed methods approaches, Sage 2018

action research, surveys, experimental and quasi-experimental design); and data collection techniques (e.g. questionnaire, observation and interview design). Data management, analysis, interpretation and presentation (e.g. data recording and preparation; the application of statistical techniques; coding, categorising and pattern seeking in qualitative data; tabulation and graphing). Research writing, publishing and dissemination. Research management; planning and organising a research project; identifying researchable issues; use of literature and libraries and ICT; time and task management; costing research; organising fieldwork and contacts; consent and confidentiality issues.

Additional Notes

Where appropriate, mixed discipline team working will be encouraged.