AR7412 Module Specification

Module Title: Research Project (RP)	**Module Code: AR7412** **Level: 7** **Credit: 30** **ECTS credit: 15**	**Module Leader**: Carl Meddings
Pre-requisite: None	**Pre-cursor:** None	
Co-requisite: None	**Excluded combinations:** None	**Suitable for incoming study abroad?** N

Location of delivery: Other
If 'Other' please insert location here: Centre for Alternative Technology

Summary of module for applicants:

The research paper provides an opportunity for students to explore, assimilate and synthesise learning related to a topic of their choice, which can but does not have to inform their final design project (FDP). The research paper will enable students to develop appropriate theoretical and research methodologies, consider the ethical implications of their work, investigate their chosen topic, develop a logical and coherent argument and support it with rigorously evaluated and reliable data and draw conclusions, contextualising the impact of their research on wider knowledge and the community. Primary data collection is not a requirement although students will be encouraged to undertake research that is aligned to the context of their FDP. The research project may involve using secondary data, through an extensive literature review or systematic review.

Main topics of study:

- Principles of research design
- Establishing questions, aims and objectives
- Selecting appropriate research methods (qualitative and quantitative)
- Practical, ethical and cultural issues in research
- Writing a research proposal
- Managing your research
- Research review and secondary research – investigating different resources and sources
- Data collection - questionnaires, interviews, observations, experiments, models etc.
- Data analysis – quantitative and qualitative methods
- Communicating research
- Preparing a publishable research paper

This module will be able to demonstrate at least one of the following examples/ exposures

Live, applied project ☒
Company/engagement visits ☒
Company/industry sector endorsement/badging/sponsorship/award ☐

Learning Outcomes for the module

Where a LO meets one of the UEL core competencies, please put a code next to the LO that links to the competence.

- *Digital Proficiency - Code = (DP)*
- *Industry Connections - Code = (IC)*
- *Social & Emotional Intelligence - Code = (SEI)*
- *Physical Intelligence - Code = (PI)*
- *Cultural Intelligence - Code = (CI)*
- *Community Connections & UEL Give Back - Code = (CC)*
- *Cognitive Intelligence – Code = (COI)*
- *Enterprise and Entrepreneurship (EE)*

At the end of this module, students will be able to:

(note reference numbers e.g. GC3.1, relate to ARB criteria for prescription at Part 2)

Knowledge

1. Understand the influence of history and theory on the spatial, social, and technological aspects of architecture (GC2.2)

Thinking skills

2. critically review how knowledge is advanced through research to produce clear, logically argued and original written work relating to architectural culture, theory and design
3. Examine the cultural, social, intellectual histories, theories and technologies that influence the design of buildings (GC2.1)

Subject-based practical skills

4. evaluate ideas using the process of writing to test, analyse, critically appraise and explain ideas, hypotheses and speculations
5. synthesise findings by applying rigorous, creative thinking and self-critical appraisal of the scope of the research undertaken
6. systematically organise, structure, and manage an extended investigation at an advanced level for a chosen topic
7. develop ethical process appropriate to a given research methods

Skills for life and work (general skills)

8. write clearly, concisely, and professionally for a defined audience

Teaching/ learning methods/strategies used to enable the achievement of learning outcomes:
For on campus students:

- Lectures will introduce the principles and aims of a research project and guide students to develop a research proposal and research paper outline
- Students will develop a proposal and submit it for formative and summative feedback to ensure the scope and topic covered are appropriate for the time scale available and the assessment requirements
- Workshops will provide students with the opportunity to develop writing skills, understand referencing, develop a research outline/programme, research ethics processes and peer review other students' work
- Students will be allocated a supervisor with knowledge of their research topic
- Group and one to one supervision will support each student with formative feedback to develop their research, writing skills and research paper to a publishable standard

Assessment methods which enable students to demonstrate the learning outcomes for the module; please define as necessary:	**Weighting:**	**Learning Outcomes demonstrated:**
Research paper [5000 word]	100%	1 - 8

Reading and resources for the module:

Core

CROUCH, C. & PEARCE, J. 2012. *Doing research in design,* London ;, Berg.
MERRIAM, S. B. & TISDELL, E. J. 2016. *Qualitative research : a guide to design and implementation,* San Francisco, CA, Jossey-Bass.
WANG, D. & GROAT, L. N. 2013. *Architectural Research Methods,* Somerset, John Wiley & Sons, Incorporated.

Recommended

ALASUUTARI, P., BICKMAN, L. & BRANNEN, J. 2008. *The SAGE handbook of social research methods,* Los Angeles, [Calif.] ;, SAGE.
CLARK, T., FOSTER, L., SLOAN, L. & BRYMAN, A. 2021. *Bryman's social research methods,* Oxford, Oxford University Press.
CLARK, T., FOSTER, L. & BRYMAN, A. 2019. *How to do your social research project or dissertation,* Oxford, Oxford University Press.

CRESWELL, J. W. 2013. *Qualitative inquiry and research design: Choosing among five approaches,* London, Sage.
DONLEY, A. M. 2012. *Research Methods,* New York, Infobase Publishing.
GILLHAM, B. 2008. *Developing a Questionnaire,* London, Bloomsbury Publishing.
GILLHAM, B. 2005. *Research interviewing : the range of techniques,* Maidenhead, Open University Press.
ROBSON, C. & MCCARTAN, K. 2016. *Real world research : a resource for users of social research methods in applied settings,* Chichester, Wiley.
YIN, R. K. 2018. *Case study research and applications : design and methods,* Los Angeles, SAGE.

Further recommended reading will be provided depending on the research topic and focus.

Provide evidence of how this module will be able to demonstrate at least one of the following examples/ exposures

Live, applied project
There is opportunity through this research project for students to engage with community and a live project scenario.
Company/engagement visits
Depending on their research focus students will have opportunity to directly engage with companies, including research involving practice and/or industry.
Company/industry sector endorsement/badging/sponsorship/award

Indicative learning and teaching time (10 hrs per credit):	**Activity**
1. Student/tutor interaction: **30**	Tutorials, Workshops, Lectures, Seminars
2. Student learning time: **270**	Background reading and preparation, Assignment preparation, independent study, research processes and writing.
Total hours (1 and 2): **300**	

For office use only. (Not required for Programme Handbook)

Assessment Pattern for Unistats KIS (Key Information Sets)	**Weighting:**
Coursework *(written assignment, dissertation, portfolio, project output)*	
Practical Exam *(oral assessment, presentation, practical skills assessment)*	
Written Exam	

HECoS Code:	
UEL Department:	