

APPROVED**ARCH8021: Contemporary Research Topics****Module Details**

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| Module Code: | ARCH8021 |
| Title: | Contemporary Research Topics APPROVED |
| Long Title: | Contemporary Research Topics |
| NFQ Level: | Advanced |
| Valid From: | Semester 2 - 2021/22 (January 2022) |
| Duration: | 1 Semester |
| Credits: | 5 |
| Field of Study: | 5810 - Architecture & Urban Environment |
| Module Delivered in: | 3 programme(s) |
| Module Description: | The module focuses on project-based design research in the field of architecture embedding critical research skills and literacy into the design process while enabling students to select an appropriate path for dissemination. |

| Learning Outcomes | |
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| <i>On successful completion of this module the learner will be able to:</i> | |
| # | Learning Outcome Description |
| LO1 | Identify a critical area of research with application in an architectural design field. |
| LO2 | Research the topic area through informed reading and exploration of existing data and investigation/testing if appropriate. |
| LO3 | Synthesize research through diagrammatic, visual and written analysis. |
| LO4 | Disseminate research in a discipline appropriate communication format. |
| LO5 | Present and defend a body of research. |

| Dependencies |
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| Module Recommendations |
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| Incompatible Modules |
| No incompatible modules listed |
| Co-requisite Modules |
| No Co-requisite modules listed |
| Requirements |
| No requirements listed |

| Indicative Content |
|--|
| Research Focus Introduction to architectural and project-based research. Developing a focus, formulating a research question, justifying research and identifying a target audience. |
| Research Methods & Data Collection Selecting a suitable method to collect required data depending on primary or secondary investigation into a focus area. |
| Research Dissemination Identifying methods of dissemination: introduction to academic writing (abstract, journal articles, papers, conference presentations) and presentations (graphic representation, drawings, poster design, competition boards, computer generated/physical models). |
| Research Defence Justify & defend a body of research by presenting research findings to a panel and audience. |

Module Content & Assessment

| Assessment Breakdown | % |
|----------------------|---------|
| Coursework | 100.00% |

Assessments

| Coursework | | | |
|---|-----------------------|-------------------|-------|
| Assessment Type | Project | % of Total Mark | 15 |
| Timing | Week 4 | Learning Outcomes | 1,2 |
| Assessment Description Outline of Research | | | |
| Assessment Type | Project | % of Total Mark | 20 |
| Timing | Week 7 | Learning Outcomes | 2,3 |
| Assessment Description Draft of research in progress | | | |
| Assessment Type | Exhibition Evaluation | % of Total Mark | 65 |
| Timing | Sem End | Learning Outcomes | 3,4,5 |
| Assessment Description Completion of research and dissemination. | | | |
| No End of Module Formal Examination | | | |
| Reassessment Requirement | | | |
| Coursework Only | | | |
| This module is reassessed solely on the basis of re-submitted coursework. There is no repeat written examination. | | | |

Module Workload

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| Workload: Full Time |
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| Workload Type | Contact Type | Workload Description | Frequency | Average Weekly Learner Workload | Hours |
|---|--------------|-----------------------------|------------|---------------------------------|-------|
| Lecturer-Supervised Learning (Contact) | Contact | Research Seminar & Workshop | Every Week | 2.50 | 2.5 |
| Lecturer-Supervised Learning (Contact) | Contact | Tutorial | Every Week | 0.50 | 0.5 |
| Independent & Directed Learning (Non-contact) | Non Contact | Research development | Every Week | 4.00 | 4 |
| Total Hours | | | | | 7.00 |
| Total Weekly Learner Workload | | | | | 7.00 |
| Total Weekly Contact Hours | | | | | 3.00 |

| Workload: Part Time | | | | | |
|---|--------------|-----------------------------|------------|---------------------------------|-------|
| Workload Type | Contact Type | Workload Description | Frequency | Average Weekly Learner Workload | Hours |
| Lecturer-Supervised Learning (Contact) | Contact | Research Seminar & Workshop | Every Week | 2.50 | 2.5 |
| Lecturer-Supervised Learning (Contact) | Contact | Tutorial | Every Week | 0.50 | 0.5 |
| Independent & Directed Learning (Non-contact) | Non Contact | Research Development | Every Week | 4.00 | 4 |
| Total Hours | | | | | 7.00 |
| Total Weekly Learner Workload | | | | | 7.00 |
| Total Weekly Contact Hours | | | | | 3.00 |

Module Resources

Recommended Book Resources

Dye, Anna & Samuel, Flora. (2015), *Demystifying Architectural Research: Adding value to your practice*, Taylor & Francis, Oxford, [ISBN: 9781859465783].

Lucas, Raymond. (2016), *Research Methods for Architecture*, Laurence King Publishing Ltd., London, [ISBN: 9781780677538].

Aksamija, Ajla. (2021), *Research Methods for Architectural Profession*, 1st. Taylor & Francis, New York, [ISBN: 9780367433966].

Couch, Christopher & Pearce, Jane. (2013), *Doing Research in Design*, Berg Publishers, [ISBN: 978-1847885791].

Carole Gray and Julian Malins. (2004), *Vizualizing Research: A Guide to the Research Process in Art and Design*, Ashgate Publishing Limited, [ISBN: 978-0754635772].

Groat, Linda & Wang, David. (2013), *Architectural Research Methods*, 2nd. Wiley and Sons, [ISBN: 9780470908556].

Emmitt, Stephen. (2013), *Architectural Technology: Research & Practice*, Wiley, [ISBN: 9781118292068].

Supplementary Book Resources

Wilson, Stephen. (2010), *Art + Science Now: How scientific research and technological innovation are becoming key to 21st-century aesthetics*, Thames & Hudson, [ISBN: 9780500238684].

Samuel, Flora. (2018), *Why Architects Matter: Evidencing & Communicating the value of Architects*.

Lily B. Robinson, Alexandra T Parman,. (2010), *Research Inspired Design, a step-by-step guide*, Fairchild Books, [ISBN: 9781563677212].

Terri Peters. (2011), *Experimental Green Strategies: Redefining Ecological Design Research*, Wiley, [ISBN: 9781119967903].

Michael U. Hensel. (2012), *Design Innovation for the Built Environment: Research by Design and the Renovation of Practice*, [ISBN: 9780415596657].

Naoum, Shamil. (2012), *Dissertation Research and Writing for Construction Students: 3rd Edition*, 3rd Edition. Routledge, [ISBN: 9780415538442].

This module does not have any article/paper resources

This module does not have any other resources

Module Delivered in

| Programme Code | Programme | Semester | Delivery |
|----------------|---|----------|----------|
| CR_CARCT_8 | Bachelor of Science (Honours) in Architectural Technology | -1 | Elective |
| CR_CARCT_8 | Bachelor of Science (Honours) in Architectural Technology | -1 | Elective |
| CR_TARCH_7 | Bachelor of Science in Architectural Technology | -1 | Elective |