

**ARBE2220: Architecture Studio 3**

Callaghan

Semester 1 - 2024



## OVERVIEW

<b>Course Description</b>	The preparation of a schematic and developed design for a house is discussed and developed with an emphasis on: the internal organisation of rooms; the relationship between the inside and outside environments; the outdoor room and the material quality of the spaces created.
<b>Academic Progress Requirements</b>	Nil
<b>Requisites</b>	This course is only available to students enrolled in the Bachelor of Design (Architecture) program.
<b>Assumed Knowledge</b>	ARBE1222 Architecture Studio 1
<b>Contact Hours</b>	<b>Callaghan</b> <b>Lecture</b> Face to Face On Campus 1 hour(s) per week(s) for 13 week(s) starting Week 1  <b>Studio</b> Face to Face On Campus 6 hour(s) per week(s) for 13 week(s) starting Week 1
<b>Unit Weighting Workload</b>	20 Students are required to spend on average 120-140 hours of effort (contact and non-contact) including assessments per 10 unit course.

# COURSE OUTLINE

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# CONTACTS

**Course Coordinator**      **Callaghan**  
Mr James Pedersen  
Robert.Pedersen@newcastle.edu.au  
0425 258 089  
Consultation: Please email me to book a consultation time.

**Teaching Staff**              Other teaching staff will be advised on the course Canvas site.

**School Office**                **School of Architecture and Built Environment**  
Architecture Building  
Callaghan  
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# SYLLABUS

**Course Content**              The preparation of a schematic and developed design for a dwelling is discussed and developed with an emphasis on: the internal organisation of rooms; the relationship between the inside and outside environments; the outdoor room and the material quality of the spaces created, construction, sustainability, and environmental performance.

**Course Learning Outcomes**      **On successful completion of this course, students will be able to:**

1. Develop design strategies for a dwelling in relation to its brief, environmental context and issues of sustainable design.
2. Provide conceptual strategies for how the internal spaces of a dwelling relate to each other and to the external environment.
3. Clearly communicate a schematic and developed design for a dwelling.
4. Develop an awareness of the dwelling as an architectural type by studying and reflecting upon precedents.
5. Creatively engage the project brief.
6. Develop the understanding and application of architectural design theories and processes.
7. Research and design selected elements and details of the dwelling.

**Course Materials**              Downloadable *menu of parts* and data, sample project digital models, and 1:10 scale construction detail samples.

# SCHEDULE

Please refer to Semester Schedule on Canvas.

# ASSESSMENTS

This course has 3 assessments. Each assessment is described in more detail in the sections below.

	Assessment Name	Due Date	Involvement	Weighting	Learning Outcomes
1	Design Project One	9pm Wednesday 13 March Presentations will take place the following day. Please refer to Studio Brief.	Individual	10%	1, 2, 3, 4, 5, 6
2	Design Project Two	9pm Wednesday 10 April Presentations will take place the following day. Please refer to Studio Brief.	Individual	40%	3, 5, 6, 7
3	Design Project Three	5pm Wednesday 5 June Presentations will take place the following day. Please refer to Studio Brief.	Individual	50%	1, 2, 3, 4, 6, 7

## Late Submissions

The mark for an assessment item submitted after the designated time on the due date, without an approved extension of time, will be reduced by 10% of the possible maximum mark for that assessment item for each day or part day that the assessment item is late. Note: this applies equally to week and weekend days.

## Assessment 1 - Design Project One

<b>Assessment Type</b>	Project
<b>Purpose</b>	Analysis
<b>Description</b>	Students will undertake design brief analysis, draw site observations, undertake site analysis and create a digital site model.
<b>Weighting</b>	10%
<b>Due Date</b>	9pm Wednesday 13 March Presentations will take place the following day. Please refer to Studio Brief.
<b>Submission Method</b>	Canvas digital submission. Next day digital presentations in tutorial groups.
<b>Assessment Criteria</b>	Refer to Studio Brief and Rubrics for detailed information.
<b>Return Method</b>	Not Returned
<b>Feedback Provided</b>	In Class - Verbal feedback will be provided at time of presentation from the critique panel.
<b>Opportunity to Reattempt</b>	Students WILL NOT be given the opportunity to reattempt this assessment.

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## Assessment 2 - Design Project Two

<b>Assessment Type</b>	Project
<b>Purpose</b>	Schematic Design
<b>Description</b>	Students will complete concept design, scaled schematic plan and section, and 3D modelling.
<b>Weighting</b>	40%
<b>Due Date</b>	9pm Wednesday 10 April
<b>Submission Method</b>	Presentations will take place the following day. Please refer to Studio Brief.
<b>Assessment Criteria</b>	Canvas digital submission. Next day digital presentations in tutorial groups.
<b>Return Method</b>	Refer to Studio Brief and Rubrics for detailed information.
<b>Feedback Provided</b>	Not Returned
<b>Opportunity to Reattempt</b>	In Class - Verbal feedback will be provided at time of presentation from the critique panel. Students WILL NOT be given the opportunity to reattempt this assessment.

## Assessment 3 - Design Project Three

<b>Assessment Type</b>	Project
<b>Purpose</b>	Developed Design
<b>Description</b>	Students will construct their 3D digital models, using components from the digital menu of parts, 3D constructed sample projects, and information from the lecture series and required readings. Each component from the menu of parts is furnished with environmental performance, durability, CO2 emissions / sequestration of materials, and budget data. Correspondingly, design proposals will be limited by stringent environmental performance, material and construction budgets. Design Project Three will culminate with the creation of a 1:10 scale detailed and annotated drawing, and construction of a physical 1:10 or 1:20 scale cutaway physical model of each design proposal.
<b>Weighting</b>	50%
<b>Due Date</b>	5pm Wednesday 5 June
<b>Submission Method</b>	Presentations will take place the following day. Please refer to Studio Brief. Canvas digital submission and delivery of models to the Architecture Design Studio. Next day digital and model presentations in tutorial group.
<b>Assessment Criteria</b>	Refer to Studio Brief and rubrics for detailed information.
<b>Return Method</b>	Not Returned
<b>Feedback Provided</b>	In Class - Verbal feedback will be provided at time of presentation from the critique panel.
<b>Opportunity to Reattempt</b>	Students WILL NOT be given the opportunity to reattempt this assessment.

# ADDITIONAL INFORMATION

## Grading Scheme

This course is graded as follows:

Range of Marks	Grade	Description
85-100	High Distinction (HD)	Outstanding standard indicating comprehensive knowledge and understanding of the relevant materials; demonstration of an outstanding level of academic achievement; mastery of skills*; and achievement of all assessment objectives.
75-84	Distinction (D)	Excellent standard indicating a very high level of knowledge and understanding of the relevant materials; demonstration of a very high level of academic ability; sound development of skills*; and achievement of all assessment objectives.
65-74	Credit (C)	Good standard indicating a high level of knowledge and understanding of the relevant materials; demonstration of a high level of academic achievement; reasonable development of skills*; and achievement of all learning outcomes.
50-64	Pass (P)	Satisfactory standard indicating an adequate knowledge and understanding of the relevant materials; demonstration of an adequate level of academic achievement; satisfactory development of skills*; and achievement of all learning outcomes.
0-49	Fail (FF)	Failure to satisfactorily achieve learning outcomes. If all compulsory course components are not completed the mark will be zero. A fail grade may also be awarded following disciplinary action.

\*Skills are those identified for the purposes of assessment task(s).

## Communication Methods

Communication methods used in this course include:

Verbal communications during studio and presentations, drawing, digital and physical modelling, written.

## Course Evaluation

Each year feedback is sought from students and other stakeholders about the courses offered in the University for the purposes of identifying areas of excellence and potential improvement.

## Oral Interviews (Vivas)

As part of the evaluation process of any assessment item in this course an oral examination (viva) may be conducted. The purpose of the oral examination is to verify the authorship of the material submitted in response to the assessment task. The oral examination will be conducted in accordance with the principles set out in the [Oral Examination \(viva\) Procedure](#). In cases where the oral examination reveals the assessment item may not be the student's own work the case will be dealt with under the [Student Conduct Rule](#).

## Academic Misconduct

All students are required to meet the academic integrity standards of the University. These standards reinforce the importance of integrity and honesty in an academic environment. Academic Integrity policies apply to all students of the University in all modes of study and in all locations. For the Student Academic Integrity Policy, refer to <https://policies.newcastle.edu.au/document/view-current.php?id=35>.

## Adverse Circumstances

The University acknowledges the right of students to seek consideration for the impact of allowable adverse circumstances that may affect their performance in assessment item(s). Applications for special consideration due to adverse circumstances will be made using the online Adverse Circumstances system where:

1. the assessment item is a major assessment item; or
2. the assessment item is a minor assessment item and the Course Co-ordinator has specified in the Course Outline that students may apply the online Adverse Circumstances system;
3. you are requesting a change of placement; or
4. the course has a compulsory attendance requirement.

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Before applying you must refer to the Adverse Circumstance Affecting Assessment Items Procedure available at:  
<https://policies.newcastle.edu.au/document/view-current.php?id=236>

**Important Policy Information**

The Help button in the Canvas Navigation menu contains helpful information for using the Learning Management System. Students should familiarise themselves with the policies and procedures at <https://www.newcastle.edu.au/current-students/respect-at-uni/policies-and-procedures> that support a safe and respectful environment at the University.

*This course outline was approved by the Head of School. No alteration of this course outline is permitted without Head of School approval. If a change is approved, students will be notified and an amended course outline will be provided in the same manner as the original.*

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