

Course Title: **Architectural Ecologies III: Medium-scale Construction**

Course Code: **ARCH604**

Descriptor Start Date: **11/02/2025**

Descriptor End Date: **31/12/2025**

POINTS: **15.00**

LEVEL: **6**

PREREQUISITE/S: **None**

COREQUISITE/S: **ARCH600**

RESTRICTION/S: **None**

LEARNING HOURS

Hours may include lectures, tutorials, online forums, laboratories. Refer to your timetable and course information in Canvas for detailed information.

Total learning hours: 150

PRESCRIPTOR

Further develops knowledge and understanding of technologies to inform the design of medium-scale buildings. A range of structural, constructional, material and environmental servicing systems, and their impacts upon architectural design processes are considered. Develops knowledge of building codes, modelling, documentation and standards, and examines their growing significance in today's construction industry.

LEARNING OUTCOMES

1. Apply key course themes in relation to your architectural project.
2. Creatively and iteratively develop knowledge of construction technologies, structural principles, regulatory frameworks and/or design delivery systems in relation to key wānanga themes.
3. The resolved outcomes show the development of appropriate ecological systems for a design project.
4. Develop skills in communicating technical and ecological solutions to a design project via drawings, models and technical reports.

CONTENT

Construction systems, materials, methods and techniques for medium scale buildings. Medium-scale structural principles. Innovation in construction. Strategies for realisation of design intent. Design development. Sustainability and resilience. Regulatory frameworks including the New Zealand Building Code. Modelling, documentation and standards.

Disclaimer: Course descriptors may be amended between teaching periods/semesters

LEARNING & TEACHING STRATEGIES

Introductory symposium/colloquium. Seminars, site visits. Individual and team-based research and presentations, project-based assignments and peer to peer learning. Guest tutors, industry speakers, practitioners, and community partners, briefs and consultation.

ASSESSMENT PLAN

Assessment Event	Weighting %	Learning Outcomes
Case Study Report (collaborative)	40.00	1, 2, 4
Integrated Wānanga Pin-up and Report (individual)	60.00	1, 2, 3, 4

Grade Map

MAP1

A+ A A- Pass with Distinction
B+ B B- Pass with Merit
C+ C C- Pass
D Fail

Overall requirement/s to pass the course:

To pass the course, a student must submit all assessments and achieve a minimum overall grade of C-

LEARNING RESOURCES

Required readings will depend on the nature of the projects each semester and will be detailed in the course material.

For further information, contact: Te Ara Auaha - Faculty of Design & Creative Technologies

Principal Programme: AK1337, Bachelor of Architecture and Future Environments

Related Programme/s: AK1347
ICE1
INEXCH1
SABRD1

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