

Course Title:	Construction Engineering Management II
Course Code:	ENBU708
Descriptor Start Date:	31/01/2025
Descriptor End Date:	31/12/2025
POINTS:	15.00
LEVEL:	7
PREREQUISITE/S:	AK1220: ENBU604 AK3751: ENGE600
COREQUISITE/S:	None
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

A critical evaluation of construction procurement and the legal framework in the New Zealand construction industry. Examines the standard form of construction procurement (traditional, design build, management forms) for construction projects. Develops the connectivity between current resource management practice and the wider context of the Treaty of Waitangi, its principles, its implementation and its responsibilities. Provides an introduction to general management theory in the context of the construction industry.

LEARNING OUTCOMES

1. Critically analyse different procurement systems used on construction projects (f, h, i, j)
2. Select appropriate procurement systems for a range of construction project scenarios. (f, i, j).
3. Explain construction contract and the NZ legal framework (f, h, i, k).
4. Evaluate claims and its management on NZ construction projects (f, h, i, j, k)
5. Explain leadership, motivation, communication, and team building in the context of the construction industry (f, h, i, j,).
6. Explain Treaty implications on construction projects and relationships with mana whenua (f, h, i, k)

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

CONTENT

- The Construction Project Management process and effective implementation
- Procurement systems for new construction and renovations (Traditional / Integrated / Management / Post-modern forms)
- Procurement and contract(or) management
- Managing human resources in construction project management including leadership and motivation team building and productivity improvement in a construction context
- The legal construction framework in a New Zealand Context and contract principles (NZS 3910, NZS3915, NEC, etc.) Law for construction and built assets, standard forms of contract and New Zealand codes
- Introduction to Resource management act (RMA), roles, responsibilities, and practice. Linkage between Treaty of Waitangi and current practice for engineers within RMA.

Key to Graduate Capabilities Profile:

- Engineering knowledge
- Problem analysis
- Design/development of solutions
- Investigation
- Tool usage
- The engineer and the world
- Ethics
- Individual and collaborative team-work
- Communication
- Project management and finance
- Lifelong learning

LEARNING & TEACHING STRATEGIES

Lectures, guest lectures, tutorials, quizzes, case studies. A blended online and on campus delivery mode is employed to achieve the outcomes of the course.

ASSESSMENT PLAN

Assessment Event	Weighting %	Learning Outcomes
Assignment 1: Written Report	40.00	1,2,3,4
Assignment 2: Written Report	60.00	1,2,3,4,5,6

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 this course, students must attempt all summative assessments and achieve a minimum overall grade of C-.

LEARNING RESOURCES

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Principal Programme: AK3751, Bachelor of Engineering (Honours)

Related Programme/s: AK1220
ICE1
INEXCH1
SABRD1