Course Title:	**Building Construction I**
Course Code:	**ENBU603**
Descriptor Start Date:	**01/01/2021**
Descriptor End Date:	**19/02/2024**
POINTS:	**15.00**
LEVEL:	**6**
PREREQUISITE/S:	**None**
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

This course provides an introductory overview of building construction process. Different elements of builidng construction and technology are introduced. Content also covers health and safety on construction sites.

LEARNING OUTCOMES

1. Demonstrate knowledge about mechanisms of construction and different phases of a construction project across a range of different types of buildings (a,c).
2. Apply, evaluate and compare commonly used techniques of site analysis and preparation (a, c).
3. Identify the functional requirements of structural and non-structural elements of a building (a, c).

CONTENT

- An overview of building construction process
- Site investigation
- Site preparation
- Foundations and Retaining Walls
- Structural frames
- Walls and Floors
- Doors and windows
- Scaffolding
- Surface finishes

Key to Graduate Capabilities Profile
a. Engineering knowledge
b. Problem analysis
c. Design/development of solutions
d. Investigation
e. Modern tool usage
f. The engineer and society
g. Environment and sustainability
h. Ethics
i. Individual and teamwork
j. Communication
k. Project management and finance
l. Lifelong learning

LEARNING & TEACHING STRATEGIES

Lectures, tutorials, class and group discussions. A blended online and on campus delivery mode is employed to achieve the outcomes of the paper.

ASSESSMENT PLAN

Assessment Event	Weighting %	Learning Outcomes
Questionnaire problem solving 1	40.00	1-3
Questionnaire problem solving 2	60.00	1-3

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 th course, the student needs to achieve a minimum grade of C-

LEARNING RESOURCES

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

Principal Programme:	**AK3751, Bachelor of Engineering (Honours)**
Related Programme/s:	

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