

Course Description Form

1. Course Name:
Building Construction
2. Course Code:
CIV042
3. Semester / Year:
SECOND 2025 = 2026
4. Description Preparation Date:
20/1/2026
5. Available Attendance Forms:
Theory, Lecture and Lab. Lectures and labs are in person at the university only
6. Number of Credit Hours (Total) / Number of Units (Total)
Number of Credit Hours (Total) 6 (h/week) / Number of Units (Total) 5 (ECTS)
7. Course administrator's name (mention all, if more than one name)
Name: Abdullah Nassir Jawad Email: abdullan97@uowa.edu.iq
8. Course Objectives
- Identify the concepts and principles associated with the building, environment and technology of simple construction, and be able to evaluate and interpret them using sketches, drawings or written form. - Describe building elements and components in specific situations; how, when and where they would be favored; and the construction sequence for simple buildings. - Evaluate the appropriateness of different approaches, materials and construction in simple construction in accordance with building, environment and technology theories and sustainability. - Communicate accurately and reliably on building, environment and technology issues for simple construction, using structured, coherent arguments and theory.
9. Teaching and Learning Strategies
The main strategy adopted in delivering this module is to encourage students' participation in the exercises, while at the same time refining and expanding their critical thinking skills. This is achieved through classes, interactive tutorials, and by considering types of simple experiments involving sampling activities that are of interest to the students.

Evaluation method	Learning method	Unit or subject name	Required Learning Outcomes	Hours	Week
(Midterm exam = 20%), (Final exam = 50%),	Lectures, interactive tutorials, and	• The nature and relevance of the module; communication	1. Identify the concepts and principles associated with the	6	16

(Quizzes = 10%), (Assignments = 5%), (Projects / Lab = 10%), (Report = 5%)	lab / drawing-studio sessions are in person at the university only	methods, drawing and measurement [12 hrs] • Site works and foundations: soil conditions and simple foundation design [8 hrs] • Different methods of construction used for houses in Iraq, compared and contrasted [8 hrs] • Details of the above-ground structure: floors, walls, roof, windows and doors [12 hrs] • Materials: properties and use of concrete, brick, timber and other building materials [12 hrs] • Sustainability of simple buildings: operating and embodied energy [10 hrs] • Building services and finishes: water, gas, electricity, drainage and finishes [8 hrs] • Lab / drawing studio: structural plans of foundations and walls, brick-wall ties, reinforced-concrete lintels and floor details, stairs and levels transition	building, environment and technology of simple construction and be able to evaluate and interpret them using sketches, drawings or in written form. 2. Describe building elements and components in specific situations; how, when and where they would be favored; and the construction sequence for simple buildings. 3. Evaluate the appropriateness of different approaches, materials and construction in simple construction in accordance with building, environment and technology theories and sustainability. 4. Communicate accurately and reliably on building, environment and technology issues for simple construction, using structured coherent arguments and theory.		
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11. Course Evaluation

(Midterm exam = 20%), (Final exam = 50%), (Quizzes = 10%), (Assignments = 5%), (Projects / Lab. = 10%), (Report = 5%)

12. Learning and Teaching Resources

(زهير ساكو و ارتين ليفون) — available in the library	Required textbooks (curricular books, if any)
كتاب انشاء المباني (زهير ساكو و ارتين ليفون)	Main references (sources)
جميع كتب انشاء أو تركيب المباني — not available in the library	Recommended books and references (scientific journals, reports...)
-	Electronic References, Websites

عبد الله ناصر حبي



أ.م.د. قاسم علي حسين
رئيس قسم الهندسة المدنية

