



Jordan University of Science and Technology
Faculty of Engineering
Civil Engineering Department

CE371 Building Construction - JNQF Level: 7

Second Semester 2024-2025

Course Catalog

3 Credit Hours. 3 Credit hours (3 h lectures). Students in this course are introduced to the structural members of building and their function in creating equilibrium and stability of the structure. Universally and locally construction materials are covered in this course. This course will enable students comprehend more advance courses in following levels.

Teaching Method: Blended

Text Book

Title	Building Construction Handout
Author(s)	Nasri abu Naser
Edition	1st Edition
Short Name	Ref#1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref#2	Design of Concrete Structure	Nilson, Darwin and Dolan	13th Edition	
Ref#3	Jordanian specifications	Royal Scientific Society	1st Edition	

Instructor

Name	Miss Maha Mahmoud
Office Location	C6 L2
Office Hours	
Email	mamahamoud@just.edu.jo

Class Schedule & Room

Section 1:

Lecture Time: Sun, Tue : 12:00 - 13:00

Room: C3016

Section 2:

Lecture Time: Mon, Wed : 09:00 - 10:00

Room: C2008

Prerequisites

Line Number	Course Name	Prerequisite Type
232011	CE201 Statics	Prerequisite / Pass
233020	CE302 Civil Engineering Drawing	Pre./Con.

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Introduction	From Ref#1
Weeks 1, 2, 3, 4, 5	Reinforced Concrete Slabs	chapter 1 From Ref#1 , From Ref#2
Weeks 6, 7, 8	Foundations	chapter 2 From Ref#1 , From Ref#2
Weeks 9, 10	Timber Design	chapter 3 From Ref#1 , From Ref#2
Week 12	Stair Design	chapter 6 From Ref#1 , From Ref#2
Week 12	Lintels	chapter 7 From Ref#1 , From Ref#2
Week 13	Provision of joints in structures	chapter 12 From Ref#1
Week 14	Masonry: Stone and Hollow Blocks	From Ref#3

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Graduates will be able to recognize the function of load paths in structural members. [1PI-1a] [1L7K1]	40%	
Graduates will be able to recognize the construction materials in civil engineering and its properties. [1PI-1a] [1L7K1]	20%	
Graduates be able to recognize the process of analyzing and designing of building systems. [1PI-2a] [1L7S3]	40%	

Relationship to Program Student Outcomes (Out of 100%)											
PI-1a	PI-2a	PI-2b	PI-2c	PI-2d	PI-3a	PI-4a	PI-4b	PI-5a	PI-6a	PI-6b	PI-7a
60	40										

Relationship to NQF Outcomes (Out of 100%)	
L7K1	L7S3
60	40

Evaluation	
Assessment Tool	Weight
Final Exam	100%

Policy	
Policy - 1	In accordance with the University Regulations, the students must attend all classes on the time of lectures. Attendance records are kept, and if a student is absent for more than 20% of the total contact hours without an excuse accepted by the faculty dean, he will fail. Makeup experiments, exams, quizzes and acceptance for late reports/homework will be considered for only documented medical reasons or any real emergency circumstances.
Policy - 2	Any plagiarism in reports or assignments is not accepted at all and the marks will be changed to zero. All students should be bound by the instructions from the instructor or teaching assistant during the examination period and any cheating attempt will be transferred to the investigation committee.

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