

Course Syllabus

1	Course Title	Building Legislation
2	Course Number	0902353
3	Credit Hours (Theory)	3 Credit Hours
	Contact Hours (Theory, Practical)	3 Theory Hours per Week
4	Prerequisites/Co-Requisites	Architectural Design (4)
5	Program Title	Bachelor of Architecture Engineering
6	Program Code	0902
7	Awarding Institution	The University of Jordan
8	School	School of Engineering
9	Department	Department of Architecture Engineering
10	Course Level	Undergraduate, 3 rd Year Students
11	Year of Study and Semester(s)	2021/2022, Second Semester
12	Other Department(s) Involved in Teaching the Course	None
13	Main Teaching Language	English
14	Delivery Method	<input type="checkbox"/> Face to face learning <input checked="" type="checkbox"/> Blended <input type="checkbox"/> Fully online
15	Online Platform(s)	<input checked="" type="checkbox"/> Moodle <input checked="" type="checkbox"/> Microsoft Teams <input type="checkbox"/> Skype <input type="checkbox"/> Zoom <input type="checkbox"/> Others.....
16	Issuing/Revision Date	27/02/2022

17. Course Coordinator:

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18. Other Instructors:

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Phone Number: 06 5355000 Ext: 27171
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19. Course Description:

Introduction to building legislation, regulations and codes governing building in cities and villages in Jordan.
Impact of the application of norms and codes on the architectural design.

20. Course Aims and Outcomes:

A- Aims:

This course aims to:

1. To know the buildings regulations in Jordan.
2. To know the buildings codes in Jordan.
3. To enhance the student's ability to read and understand the architectural documents.
4. To enhance the student's ability to implement the regulations.

B- Students Learning Outcomes (SLOs):

Upon successful completion of this course, students will be able to:

SLOs	SLO (1)	SLO (2)	SLO (3)	SLO (4)
SLOs of the Course				
A. An ability to apply knowledge of mathematics, science, engineering, and arts.				
B. An ability to communicate effectively.				
C. An ability to work on different design projects from interior design to urban design.				
D. An ability to use different visual communication tools, advanced computer aided design software, and Building Information Models (BIM).				
E. An ability to function on multi-disciplinary team.				
F. An ability to produce a complete design drawing and working drawings.				
G. An ability to use the techniques, skills, and modern architectural means necessary for the architectural practice.				
H. Knowledge of the history of architecture since the ancient architecture until today.				
I. Knowledge of contemporary issues related to the field of architecture construction and project management.				
J. Knowledge of different building systems and their relation to the architectural design.				
K. Knowledge of different aspects of the architectural practice and legislation issues related.				

21. Topic Outline and Schedule:

Week	Lecture	Topic	Intended Learning Outcome	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
1	1.1	An Introduction to the Course	K	Blended	-	-	Midterm and Final Exams	1, 2, and 3
	1.2	An introduction to the course	K	Blended	-	-	Midterm and Final Exams	1, 2, and 3
2	2.1	Clause 1-9	I, J and K	Blended	-	-	Midterm and Final Exams	1

	2.2	Clause 1-9	I, J and K	Blended	-	-	Midterm and Final Exams	1
3	3.1	Clause 10-16	I, J and K	Blended	-	-	Midterm and Final Exams	1
	3.3	Clause 10-16	I, J and K	Blended	-	-	Midterm and Final Exams	1
4	4.1	Clause 17-23	I, J and K	Blended	-	-	Midterm and Final Exams	1
	4.2	Clause 17-23	I, J and K	Blended	-	-	Midterm and Final Exams	1
5	5.1	Clause 24-29	I, J and K	Blended	-	-	Midterm and Final Exams	1
	5.2	Clause 24-29	I, J and K	Blended	-	-	Midterm and Final Exams	1
6	6.1	Clause 30-34	I, J and K	Blended	-	-	Midterm and Final Exams	1
	6.2	Clause 30-34	I, J and K	Blended	-	-	Midterm and Final Exams	1
7	7.1	Midterm Exam	G, I, J and K	Face to Face	-	-	Midterm Exam	1, 2, and 3
	7.2							
8	8.1	Clause 35-41	I, J and K	Blended	-	-	Midterm and Final Exams	1
	8.2	Clause 35-41	I, J and K	Blended	-	-	Midterm and Final Exams	1
9	9.1	Clause 42-51	I, J and K	Blended	-	-	Midterm and Final Exams	1
	9.2	Clause 42-51	I, J and K	Blended	-	-	Midterm and Final Exams	1
10	10.1	Clause 52-59	I, J and K	Blended	-	-	Midterm and Final Exams	1
	10.2	Clause 52-59	I, J and K	Blended	-	-	Midterm and Final Exams	1
11	11.1	Clause 60-68	I, J and K	Blended	-	-	Midterm and Final Exams	1
	11.2	Clause 60-68	I, J and K	Blended	-	-	Midterm and Final Exams	1
12	12.1	Clause 69-75	I, J and K	Blended	-	-	Midterm and Final Exams	1
	12.2	Clause 69-75	I, J and K	Blended	-	-	Midterm and Final Exams	1

13	13.1	Students Presentation	G, I, J and K	Blended	-	-	Oral Skills	1, 2, and 3
	13.2	Students Presentation	G, I, J and K	Blended	-	-	Oral Skills	1, 2, and 3
14	14.1	Students Presentation	G, I, J and K	Blended	-	-	Oral Skills	1, 2, and 3
	14.2	Students Presentation	G, I, J and K	Blended	-	-	Oral Skills	1, 2, and 3
15	15.1	Final Exam	G, I, J and K	Face to Face	-	-	Final Exam	1, 2, and 3
	15.2							

22. Evaluation Methods:

Opportunities to demonstrate achievement of the SLOs are provided through the following assessment methods and requirements:

Evaluation Activity	Mark	Topic(s)	SLOs	Period (Week)	Platform
Midterm Exam	30%	Weeks 1 to 6	G, I, J and K	7	JUexams
Group Research Presentations	20%	Weeks 1 to 15	G, I, J and K	13 and 14	Face to Face
Final Exam	50%	All weeks	G, I, J and K	15	JUexams

23. Course Requirements:

Development of ILOs is promoted through the following teaching and learning methods:

- The course information and materials are located through the E-Learning system. All students informed through their JU E-Learning account.
- Weekly classes discussions reviewing material in the lectures
- Group Presentations will be delivered and completed through in class time and office hours and by online submission. It is required that each group of students must submit comprehensive set of drawings (site plan, plans, facades, sections, and 3D drawings) for any plot of land (residential, commercial, industrial) and study its legislation and provisions, and design a project at the lowest costs so as to give the highest financial and investment returns. The group should calculate the necessary spaces, parking lots, and the cost (land, construction, rents, etc.).

24. Course Policies:

A- Attendance policies:

- Attendance is obligatory, the explanation of the exercise, the reference, the outcomes, the techniques needed; all these should not be missed.
Using E-learning weekly to view home works, marks, recommended readings, and supporting audio visuals is necessary.
- An absence of more than 15% of all the number of classes, which is equivalent of (2) classes, requires that the student provides an official excuse to the instructor and the dean.
- If the excuse was accepted the student is required to withdraw from the module.
- If the excuse was rejected the student will fail the module and mark of zero will be assigned as suggested by the laws and regulations of the University of Jordan. Please refer to the student handbook: <http://registration.ju.edu.jo/Documents/daleel.pdf>.

B- Absences from exams and handing in assignments on time:

- All exercises are handed directly at the end of the studio session; home works are a media to have more experience and to train more at home.
Every student should take a photograph for every marked exercise and exam, and submit a CD containing those photos at the final exam.
- Absence from exams:
 - The instructor will not do any make-up exams.

- Exceptions for make-up exams and late submission of class assignments will be made on a case-by case basis for true personal emergencies that are described as accepted by the regulations of UJ (e.g., student.com exam, documented medical, personal, or family emergency).

C- Health and safety procedures:

- Students should be careful when using a scalpel to avoid injuries.
- Sitting in a healthy way while drawing to avoid slipped disc.

D- Honesty policy regarding cheating, plagiarism, misbehaviour:

- There are strict university rules concerning the cheating, plagiarism and misbehaviour and all the students are introduced to these rules.
- Any forms of academic misconduct will be handled according to the University of Jordan guidelines.

E- Grading policy:

- Grades are related to the final achievement for each exercise, the process, the understanding, and the development.

F- Available university services that support achievement in the course:

- University Library.

25. References:

Required book (s), assigned reading and audio-visuals:

1. مجموعة القوانين والأنظمة المتعلقة بأمانة عمان الكبرى، قانون تنظيم المدن والقرى والأبنية رقم 79 لسنة 1966 وتعديلاته.
2. مجموعة القوانين والأنظمة المتعلقة بوزارة الأشغال العامة والإسكان، قانون البناء الوطني الأردني رقم 7 لسنة 1993 وتعديلاته.
3. مجموعة القوانين والأنظمة المتعلقة بأمانة عمان الكبرى، نظام الأبنية والتنظيم في مدينة عمان رقم 28 لسنة 2018 وتعديلاته.

Recommended books, materials, and media:

4. Billington, M., Barnshaw, S., Bright, K., Billington, M. and Crooks, A. 2017. *The Building Regulations: Explained and Illustrated*. London: John Wiley and Sons Ltd.
5. Tricker, R. and Alford, S. 2018. *Building Regulations Pocket Book*. New York: Routledge.
6. *Jordanian Engineers Association Website*. <http://www.jea.org.jo/index.php>.

26. Additional Information:

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Name of Course Coordinator: **Wael W. Al-Azhari** Signature: **Wael Al-Azhari** Date: 27/02/2022

Head of Curriculum Committee/Department: ----- Signature: -----

Head of Department: ----- Signature: -----

Head of Curriculum Committee/Faculty: ----- Signature: -----

Dean: -----Signature: -----