



University/Academy: Arab Academy for Science, Technology & Maritime Transport
Faculty/Institute: College of Engineering & Technology
Program: B.Sc. Architectural Engineering and Environmental Design

Form no. (12): Course Specification

1- Course Data

Course Code: AR 542	Course Title: Regulations and Law	Academic Year/Level: 5th year/ 10th semester
Specialization: Architecture	No. of Instructional Units Credit 2 Lecture 2 Tutorial 0	Prerequisite CB410 or AR444

2- Course Aim

This course aims to teach the students about the different building regulations concerning executed buildings in real practice. It also aims to acknowledge students different urban planning rules and obligations that govern real planning practices. Students begin by studying building laws. This entails different building regulations concerning terminology, lighting, ventilation & courts, stairs, heights, projections, fire protection, license requisites, license obligations. After this they are introduced to urban planning laws concerning terminology, general plan, implementation and detailed plans, land subdivision, and planning regulations of city center, industrial zones and district redevelopment.

The course aims to:

- Provide the student the main knowledge regarding executed buildings and their related regulations.
- Develop the student's knowledge of different urban planning rules and laws.
- Produce graduates equipped to tackle law related obstacles, in a professional and legal manner.

3- Intended Learning Outcomes

a- Knowledge and Understanding	Through knowledge and understanding, students will be able to: <ul style="list-style-type: none"> • Illustrate their knowledge of building regulations through architectural design. • Express their legal understanding by planning, subdividing, or redeveloping city centers, land or Industrial zones
b- Intellectual Skills	Through intellectual skills, students will be able to: <ul style="list-style-type: none"> • Analyze and apply the formal regulations through real designs and plans.
c- Professional Skills	Through professional and practical skills, students will be able to: <ul style="list-style-type: none"> • Design and plan according to the construction and planning regulations • Prepare drawings, documents, and schedules for the license applications, and planning phases.
d- General Skills	Through general and transferable skills, students will be able to: <ul style="list-style-type: none"> • Understand professional conduct and ethical responsibility. • Present reports, discuss findings, defend his/her ideas, and communicate effectively in writing, verbally and through drawings and models. • Work coherently and successfully as a part of a team in projects, assignments, etc. • Independently seek knowledge, set aims, targets, objectives and plan to meet them with a deadline (time management). • Adopt an open-minded approach in the appraisal of design issues, requirements and opportunities.

4- Course Content

- | | |
|-------------------|---|
| Week No.1 | Introduction and course outline. |
| Week No.2 | Terminology & general obligations. |
| Week No.3 | Regulations of urban planning. |
| Week No.4 | Regulations for infrastructure projects. |
| Week No.5 | Regulations of subdivision projects. |
| Week No.6 | Regulations of urban landscape projects. |
| Week No.7 | Continuation of the previous lecture and evaluation. |
| Week No.8 | Building regulations: General. |
| Week No.9 | Building regulations: Architectural & Structural Regulations. |
| Week No.10 | Building regulations: Architectural & Structural Regulations. |
| Week No.11 | Building regulations: Electromechanical Regulations. |
| Week No.12 | Continuation of the previous lecture and evaluation. |
| Week No.13 | Building regulations: Parking Regulations.(Outdoor & indoor). |
| Week No.14 | Building regulations: Fire fighting and building Evacuation. |
| Week No.15 | Building License (Documents & procedures). |

5- Teaching and Learning Methods

The course comprises a combination of lectures, research, and project work.

6-Teaching and Learning Methods for Students with Special Needs

- Consulting with lecturer during office hours.
- Consulting with teaching assistant during office hours.
- Private sessions for redelivering the lecture contents.
- For handicapped accessibility, please refer to program specification.

7- Student Assessment

Student must present:

- Two Assignments per semester submitted 2 times, 6th and 15th.
- Two Midterm Exams per semester 7th and 12th.
- A research
- A two-hour final exam.

Asses No.	Procedures used		Start Week No.	Subm. Week No.	Weighting of Asses.
	Type	To assess			
1	Assignment (1)	Knowledge and understanding	4	6	10%
2	Written exam.	Knowledge and understanding.		7	20%
3	Assignment (2)	Intellectual and practical skills.	12	15	10%
4	Written exam.	Knowledge and understanding.		12	20%
5	Research	All skills.			
6	Written exam.	Knowledge and understanding and intellectual skills		16	40%
Total					100%

8- List of References:

a- Course Notes	N/A
b- Required Books (Textbooks)	<ul style="list-style-type: none"> • <i>Building Law</i>, No. 119, 2008.
c- Recommended Books	<ul style="list-style-type: none"> • MOOR, VICTOR, <i>A Practical Approach to Planning Law</i>, Blackstone Press, 1999 • UFF, JOHN, <i>Construction Law</i>, Sweet & Maxwell, 1999
d- Periodicals, Web Sites, etc.	N/A