



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 541	Course Title: Professional Practice	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 is meant to inform the student of all the parties, duties and responsibilities they will face in the professional world. Students begin by studying the rights and duties of the architect. Then, they learn the different professional relationships between involved parties in the profession. Students learn how to make economic decisions through practical applications

The course aims to:

- Enhance the student's practical skills regarding the architect's role and responsibilities during all stages of the building process.
- Provide the student with the main knowledge about the different relationships with clients, other consultants and contractors
- Emphasize an understanding of the ethical and legal responsibilities for public health, safety & welfare, property rights, accessibility and other factors affecting design, construction and architectural practice.

3- Intended Learning Outcomes

a- Knowledge and Understanding	Through knowledge and understanding, students will be able to: <ul style="list-style-type: none">• Define the architect's role and responsibilities during all stages of the building process.• Explain and study the relationships with clients, other consultants and contractors.• List the ethical and legal responsibilities of the profession.
b- Intellectual Skills	Through intellectual skills, students will be able to: <ul style="list-style-type: none">• Apply the basics of how to deal with all the involved people and organizations in the different construction phases• Implement his acquired skills to make appropriate economic decisions.• Apply and respect the ethics of the professional practice.
c- Professional Skills	Through professional and practical skills, students will be able to: <ul style="list-style-type: none">• Perform well with different people and organizations in the same field.• Identify and make beneficial economic decisions.
d- General Skills	Through general and transferable skills, students will be able to: <ul style="list-style-type: none">• Present reports in seminars or group meetings, discuss results, 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 plans.• 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	Involved people and organizations (Owner, Architect, and Contractor)
Week No.3	Involved people and organizations.
Week No.4	Different professional relationships: (Owner-Consultant Relationship)
Week No.5	Different professional relationships: (Owner-contractor relationship)
Week No.6	Different professional relationships: (Altogether Relationship)
Week No.7	Continuation of the previous lecture and evaluation.
Week No.8	Professional services: (Pre-design stage, and Design stage).
Week No.9	Professional services: (Document stage, and Tender evaluation stage)
Week No.10	Professional services: (Construction stage)
Week No.11	Professional services: (Construction stage)
Week No.12	Continuation of the previous lecture and evaluation.
Week No.13	Professional fees.
Week No.14	Professional ethics.
Week No.15	Professional ethics.

5- Teaching and Learning Methods

The course comprises a combination of lectures, research assignment, and discussion sessions.

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

Students must present: two assignments per semester, one submitted on the 6th week, another in the 15th. There will be two midterm exams during the 7th and 12th weeks. Finally, a two hour end of term exam. quantitative & qualitative data; 3 D models or prototypes; web-based material. All presented work should be recorded in graphic form and explained to a standard suitable for assessment purposes.

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

8- List of References:

a- Course Notes	Notes are handed out to the students part by part.
b- Required Books (Textbooks)	• DAVID CHAPPELL & ANDREW WILLS, <i>The Architect in Practice</i> , Blackwell Science Ltd., 2000.
c- Recommended Books	• TURNER, D&A TURNER, <i>Building Contracts - Claims and Disputes</i> , Longman, 1999.
d- Periodicals, Web Sites, etc.	N/A