



Course Specifications:
ARE7121 – Architectural Design 2



1. Basic Information

Program Title	Architectural Engineering
Department offering the Program	Architectural Engineering
Department Responsible for the Course	Architectural Engineering
Course Title	Architectural Design 2
Course Code	ARE7121
Year/ Level	First Year - Second Term
Specialization	Minor
Authorization date of course specification	2005

Teaching Hours	Lectures	Tutorial	Practical
	1	5	0

2. Course Attributes:

No.	Attribute
03	Design and conduct experiments as well as analyze and interpret data.
11	Engage in self- and life- long learning.
12	Design robust architectural projects with creativity and technical mastery.

3. Intended Learning Outcomes (ILOs):

a. Knowledge and Understanding:

No.	Knowledge and Understanding
A ₁₃	Principles of architectural design, and the preparation and presentations of design projects in a variety of contexts, scales, types and degree of complexity.

b. Intellectual Skills

No.	Intellectual Skills
B ₀₃	Think in a creative and innovative way in problem solving and design.
B ₁₀	Incorporate economic, societal, environmental dimensions and risk management in design.
B ₁₃	Integrate different forms of knowledge, ideas from other disciplines, and manage information retrieval to create new solutions.
B ₁₆	Reconcile conflicting objectives and manage the broad constituency of interests to reach optimum solutions.

c. Professional Skills

No.	Professional Skills
C ₁₈	Display imagination and creativity.
C ₁₉	Respect all alternative solutions; changes in original plan of the project, differences in style, culture, experience and treat others with respect.



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d. General Skills

No.	General Skills
D ₀₁	Work in stressful environment and within constraints.
D ₀₂	Work in stressful environment and within constraints.
D ₀₃	Communicate effectively.

4. Course Contents:

No.	Topics
1	Project 1: Introduction
2	Project 1: Reviewing
3	Research work
4	Arch. drawings: Plans Ex
5	Arch. drawings: Plans Ex
6	One-day Exam
7	Elevation Sections
8	Mid Term Examination
9	Lay-Out and presentation
10	Project Modeling
11	Reveling
12	One-day Exam
13	Arch. drawings: Plans
14	Final Evaluation & Seminar

5. Teaching and Learning Methods:

5.1 Normal Students:

No.	Teaching Method	Choice
1	Lectures	√
2	Discussion Sessions	√
3	Information Collection from Different Sources	×
4	Practical	×
5	Research Assignment	√
6	Field Visits	√
7	Case Studies	×
8	Smart Sessions	√

5.2 Disable Students:

No.	Teaching Method	Reason
1	Presentation of the course in digital material.	Better access any time.
2	Web communication with students	Better communication with certain cases.
3	Asking small groups to do assignments; each composed of low, medium, and high performance	Knowledge and skills transfer among different



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	students.	levels of students.
4	Asking disabled students to do PowerPoint/Poster presentations.	Encouraging disabled students' engagement and interaction.

5.3 Excellent Students:

No.	Teaching Method	Reason
1	Developing course materials gradually to allow excellent students to receive teaching that meets their needs	Excellent students rely on excellent teaching
2	Encouraging students to participate in competitions with rewarded bonus marks.	Increasing excellent students' competitiveness

6. Student Assessment:

6.1 Student Assessment Methods:

No.	Assessment Method	Choice	ILOs
1	Project 1: Design Concept	√	B ₀₃ , B ₁₀ , D ₀₁ , D ₀₂ , D ₀₃ .
2	Arch. drawings: Plans Ex	×	-
3	Layout and presentation	×	-
4	Project2Modeling	√	A ₁₃ , C ₁₈ , C ₁₉ , D ₀₁ , D ₀₂ , D ₀₃ .
5	Reviewing	×	-
6	Final Evaluation Seminar	√	B ₁₃ , B ₁₆ , D ₀₁ , D ₀₂ , D ₀₃ .

6.2 Assessment Schedule:

No.	Assessment Method	Weeks
1	Mid Term Examination	08 th
2	Oral Examination	×
3	Practical Examination	07 th , 14 th
4	Semester work	2 nd -6 th ; 09 th – 13 th
5	Other types of assessment	×
6	Final Term Examination	15 th

6.3 Weighting of Assessments:

No.	Assessment Method	Weights
1	Mid Term Examination	15%
2	Oral Examination	-
3	Practical Examination	15%
4	Semester work	30%
5	Other types of assessment	-
6	Final Term Examination	40%
Total		100%



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7. List of References

No.	Reference List
1	Neufert, Ernst, Architects' Data.-.
2	Architectural GRAPHIC Standards. NY: John Wiley & Sons, Inc., 2004
3	http://www.designbasics.com/
4	The course notes are to be prepared by groups of students after constant reviewing by the course coordinator.

8. Facilities Required for Teaching and Learning:

No.	Facility	Choice
1	Lecture Classroom	√
2	Lab Facilities	×
3	White Board	√
4	Data Show System	√
5	Visualizer	×
6	Smart Board	√

No.	Facility	Choice
7	Wireless Board	×
8	Presenter	×
9	Sound System	√
10	Wire-Internet	×
11	Wireless Internet	√
12	...	-

9. Matrix of Knowledge and Skills of the Course:

No.	Topic	Attributes	Knowledge & Understanding	Intellectual Skills	Professional Skills	General Skills
1	Project 1: Design Concept	03	A ₁₃	B ₀₃	C ₁₈ , C ₁₉	-
2	Arch. drawings: Plans Ex	03	A ₁₃	B ₁₀	C ₁₉	D ₀₂
3	Lay-Out and presentation	03, 11	A ₁₃	B ₁₃ , B ₁₆	C ₁₉	D ₀₂
4	Project2Modeling	11	-	B ₁₆	C ₁₉	-
5	Reviewing	11, 12	-	-	-	D ₀₃
6	Final Evaluation Seminar	11, 12	-	B ₁₃ , B ₁₆	C ₁₈ , C ₁₉	D ₀₁ , D ₀₂ , D ₀₃

Course Coordinator: Professor Dr. Mohammad Mohammad Taha Al-Azab

Head of Department: Professor Dr. Mohammad Mohammad Taha Al-Azab

Date of Approval: