

1.7 Semester 7

AR411 Architectural Design and Urban Landscape

COURSE INFORMATION

Prerequisites	Academic Year & Level		Teaching Methods			Credit Hrs.
	Year	Semester	Lecture	Tutorial	Laborator y	
CB221	4	7	3	0	0	3

COURSE AIM

- Introducing the student to fundamentals of architecture and landscape architecture
- Familiarize the student with the design process the analysis of form and function, and the development of an architectural solution
- It directs students on how to deal with different design problems through systematic design process

COURSE WEEKLY CONTENTS

- Course Description:** An Introduction to Architectural Design and Urban Landscape. Architectural Design Stages and Design Constraints: Human Dimensions and its effect in Architecture. Preparing an Architectural Program. Exercise to Prepare a Program
- 1** Architectural Design Stages and Design Constraints: Site Considerations: Site Characteristics, Orientation, Circulation, and Utilities. Drawing Different Zoning for a Simple Project (2%).
 - 2** **Design Constraints:** Circulation and Ventilation. Developing an Architectural Plan. Simple Exercise (Architectural plan) (2%).
 - 3** **Co-ordination and Co-operation:** Drawings Co-ordination. Co-operation with Architects. Simple Exercise (Architectural plan) (2%).
 - 4** **Design Constraints:** Electrical and structural drawings. Elevation and section (2%).
 - 5** **Architectural Design:** Developing the architectural drawings. Simple Exercise (Electrical and structural drawings) (2%).
 - 6** **Midterm Exam:** Final Evaluation of the Project (5%). 1st MIDTERM Assessment (15%)
 - 7** **Urban Landscape:** An Introduction to Urban Landscape Design. Elements of Landscape, Styles of Gardens. **Design Landscape:** Site considerations & Stages of design. Simple Drawing Task (2%).
 - 8** **Landscape Design:** Soft Landscape: Elements & Functions of soft landscape. Details for Soft Landscape. Exercise of a Simple Project (2%)
 - 9** **Landscape Design:** Water as an element of landscape: Sources & Functions. Exercise of a Simple Project (2%).
 - 10** **Landscape Design:** Design Hard Landscape: Elements, Design a Residential Space. Details for Hard Landscape. Exercise of a Simple Project (2%).
 - 11** **12th Week Assessment (10%)**

- 13 **Architecture Design and Landscape Design:** Drawings Co-ordination of Architectural Design and Urban Landscape.
- 14 **Architecture Design and Landscape Design:** Final Evaluation of the Project (10%).
- 15 **FINAL EXAM** (40%)

STUDENT GRADING & ASSESSMENT

Weeks	Exams	Assign.	Quizzes	Reports	Present.	Lab.	Total
1 to 7	20 Midterm	←	10	MARKS		→	30
To be freely distributed among possible assessments							
8 to 12	←		20	MARKS		→	20
13 to 15	←		10	MARKS		→	10
16 or 17	40 Final						40
Total	Exams	Assign.	Quizzes	Reports	Present.	Lab.	100

REFERENCES

- Textbook** DE CHIARA, Joseph-Time Saver Standards for Housing and Residential Development-McGraw Hill, 1995 (ID Ref. 711.58 DE-TI).
- Other** UNWIN, Simon-Analysing Architecture, Routledge, 1997