

Architecture & Town Planning

Course Code ARCH-305	Credit Hours 2-0
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Course Description

This course is designed to give the contemporary and ancient era concept of Architecture and Town Planning. Additionally, it concerns itself with research and analysis, strategic thinking on critical urban issues, architecture design and urban design, public participation, neighbourhood planning, understanding of urban planning process, Zoning, implementation, and management.

Text Book:

1. Brodbent. G. J.C. Anthony, Emerging Concept in Urban Space Design, Van Nostrand Reinhold Co. Ltd.
2. Snyder. J.C. Introduction to Urban Planning, Milwaukee McGraw Hill Book Co.
3. Fletcher. S.B. A History of Architecture, The Athlone Press
4. Lewis Keeble. Principles and Practice of Town and Country Planning
5. Kurt W. Bauer. City Planning for Engineers and Surveyors. CRC Press

Reference Book:

Prerequisites :

Nil.

Assessment System for Theory

	Without Project (%)	With Project/Complex Engineering Problems (%)
Quizzes	15	10-15
Assignments	10	5-10
Mid Terms	25	25
Project	-	5-10
End Semester Exam	50	45-50

Teaching Plan

Theory:

<u>Week</u>	<u>Topic Covered</u>	<u>Reading Assignment/ Homework</u>		<u>CLO No</u>	<u>Assess ment Methodo logy</u>
1 - 2	An overview of historical development from the earliest examples of human settlement to 21st century postmodern era.	Snyder (Ref 2), chap 1	Assignment 1	1	Assignments, Quizzes, PBL & ESE
3 - 4	Focused study of history of Islamic architecture while exploring the factors related to its emergence/development. Key features of Islamic architecture as seen in Islamic countries.	Handouts and Fletcher (Ref 3)	Quiz 1 PBL Activity-1	2	
5-6	Study & Analysis of geographical climatic, politico religious, socio-cultural issues influencing architecture. Qualities, Factors and Use of Material: Stone, wood, metals, concrete, composite and ceramics	Handouts	Assignment 2	2	
7 - 8	Enhancement of aesthetic aspects in architecture as control on proportion, scale, balance, texture to achieve strength, vitality, grace, truth & beauty.	Handouts and Fletcher (Ref 3)	PBL Activity-2 and Quiz-2	2	
9	Mid Semester Exam				
10	Basic Planning Concepts: Definition, Aims, Scope, and Principles of Planning, Description of societal changes, New Urbanism.	Lewis Keeble (Ref 4), pp 9-15 and Broadbent (Ref 1), chap 4	Assignment-3	1	

11-12	Approaches to Planning: Overview about Industrial revolution, transition to the industrial city and paradigm shift to systems views of planning approach from comprehensive planning approaches.	Handouts and Regional Planning by john Glasson, pp 1-18		2	
13	Definitions, trends in urban growth, objective of town planning and study of modern trends using GIS. Preliminary studies related to natural/economic resources effecting Architecture & Town Planning.	Handouts	Quiz-3 and Assignment-4	2	
14	Legal and administrative issues, city survey & prep of different type of maps/studies.	Handouts and Lewis Keeble (Ref 4), ch 3	PBL Activity-3	1	
15	Zoning and land use patterns-various theories. Location of parks/open green spaces, recreational areas, public/semi-public buildings, hierarchy of commercial/shopping, community centers. School, health care facilities, industrial & residential areas. Supervised and unsupervised classification	Kurt Baur (Ref 5), pp 319-325		1	
16	Street patterns-different concepts and layouts using GIS. City extensions as suburban developments, concept of neighborhood units, satellite towns and garden city.	Handouts, National Reference Manual on Planning and Infrastructure Standards by PEPAC Pakistan,	Quiz-4	3	

		Kurt Baur (Ref 5), pp 245-280			
17	Urban planning issues related to inner city urban design & emergency/upgrading of squatter settlements.	Handouts		1	
18	End Semester Exam				

Practical: Nil.