

## Sustainable Urban Landuse Planning

<b>Code</b> URP 806	<b>Credit Hours</b> 3-0
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### Course Description

This course aims to help participants understand the dynamics of urban land use in a functional and integrated manner. It demonstrates effective utilization of policies and planning instruments to manage urban growth, aiming for sustainable, equitable, and efficient outcomes. By course completion, students will possess sound knowledge of sustainable urban land-use planning and the ability to formulate urban land-use policies and plans that consider various aspects of urban life.

### Textbooks:

1. Sustainability Impact Assessment of Land Use Changes, Helming, Katharina; Pérez-Soba, Marta; Tabbush, Paul (Eds.)
2. Kurt W. Bauer, City Planning for civil engineers, and surveyors, CRC Press (2010),
3. M. Terry, T. Paul & A. Bruce, The transportation/land use connection, American Planning Association, Planning Advisory Service .USA (2009)

### Reference Books:

1. Karst Geurs, (2009), Accessibility, land use and transport, Euborn
2. LeCorbusier: A Contemporary City; Frank Lloyd Wright: Broadacre City: A New Community Plan
3. Hamilton *et al.* (eds.), *Transformation of Cities in Central and Eastern Europe*, United Nations University Press, 2005.

### Prerequisites

Nil

### Assessment System for Theory

Quizzes	10-15%
Assignments	5-10%
Mid Terms	25%
ESE	40-50%
Term Project	10%

## Teaching Plan

Week no	Topics	Learning outcome
1-2	Course Objectives & Grading Policy Land use planning and its related concepts Current planning issues in Pakistan The Next Industrial Revolution	To develop students' understanding of various urban issues, including an introduction to land use planning and sustainable land use planning.
3	Land use planning and sustainable urban development	Understanding How Land Use Planning Contributes to Sustainable Urban Development
4	Development to Sustainable Development: A Paradigm shift Critically appreciate the historical development of the concept of sustainable development	Critically appreciate the historical development of the concept of sustainable development, examining key milestones, influential frameworks, and evolving perspectives that have shaped its evolution over time.
5 Assignment-1	How can sustainable urban development be promoted? New Urban Agenda (NUA)	Students will propose strategies for promoting sustainable urban development integrating key principles and approaches.
6	Institutions, Policies and Tools for Effective Land Use Planning Challenges of institutional capacity How can institutional capacity be strengthened? Planning instruments/interventions for sustainable land use	To learn about various sustainable land use planning tools, focusing on institutional frameworks and methodologies.
7-8	Discussion on various economic, financial, and behavioral instruments Accessible and affordable housing finance Parking fees Congestion pricing -Transportation and trunk infrastructure -Industrial parks -Public-private partnership zones -Affordable housing/Communities	To learn about various tools of sustainable land use planning, with a focus on economic, financial, and behavioral instruments, frameworks and methodologies.

9	<b>MID SEMESTER EXAM</b>	
10	<p>Integration of Land Use Planning and Infrastructure Sustainable Transportation Definition</p> <p>Urban density and mass transit</p> <p>Street planning to promote walking and biking</p>	To understand how land use planning and infrastructure development, particularly transportation, can be effectively integrated to promote sustainable urban development
11-12	<p>Land Use and Social Equity</p> <p>Growth of slums</p> <p>Land use characteristics of slums</p> <p>Formation of urban core slums</p> <p>Formation of slums in Suburban areas</p> <p>Slums and Squatter Settlements Pakistan</p>	To understand the factors contributing to the creation of slums and to analyze the socio-economic and environmental situation of slums in major cities of Pakistan.
13-14	<p>Peri-urban Growth</p> <p>Factors that cause peri-urbanization</p> <p>Characteristics of peri-urban areas</p> <p>Key Challenges of Managing Peri-urban Areas?</p>	To understand peri-urban growth and its associated challenges, including issues related to infrastructure, governance, land use, and socio-economic dynamics.
15	<p>Compact City</p> <p>fundamental characteristics of a compact city</p> <p>Compact city a way forward to sustainable city</p>	To learn about the compact city approach as a tool for sustainable urban land use planning, focusing on its principles, benefits, and challenges in urban development.
16-17	<p>Measuring Urban Sustainability</p> <p>Tracking Progress with City Indicators</p> <p>Green infrastructure for urban flood risk management</p>	To learn how sustainability can be measured, and the key indicators used to assess sustainability in various contexts.
18	<b>END SEMESTER EXAM</b>	