

PGD in Real Estate Construction and Management		Trimester I	
Urban Development		Code : RECM 01	
Periods per week		Lecture	03
		Practical	--
		Tutorial	02
Evaluation Scheme		Hours	Marks
	Term End Exam (Theory)	03	100 (Weightage 50%)
	Internal Continuous Assessment	--	50 (Weightage 100%)
	Test	01	20
	Quiz/viva/ presentations/ group work based on assignments given by faculty	--	30
Objectives	<ul style="list-style-type: none">To study the urbanization and policies for urban development.To understand needs of urban infrastructure.To study urban renewal and need of smart cities.		
Outcome	After successful completion of this course, students be able to <ul style="list-style-type: none">1. Understand different elements of urban planning2. Analyze the importance of urban planning and evaluate its impact on real estate development		
Detailed Syllabus			
Units	Topics		Duration (Hrs.)
1	Introduction: Urbanization with reference to growth of cities, pattern, growth its trends, causes and prospects of urbanization, cost of urbanization, growth of urban population, resources of urban development, spatial pattern of urbanization, problems of metropolitan cities in India policy issues and their need, trends and projections for urbanization.		03

Units	Topics	Duration (Hrs.)
2	Fundamental of Urban Science & Engineering: Organization of Urban areas (Definitions, occupation, pattern, types of cities, such as industrial, administrative, religious etc.), Urban services like hospital, waste management centres etc.	05
3	Urbanization of Cities, Suburbs, Region and Hinterland: Plans for cities and suburban areas, metropolitan regions, role of peripheral region in urban development, concept of hinterland, small towns, tributaries/ twin cities of metropolitan cities.	05
4	Management Techniques for Urban Systems: Overview of urban systems & issues, urban systems and global environment climate and urban system mitigation and adoption of strategies and techniques. Economic instruments in urban systems and Ecosystem Services.	05
5	Notifications: CRZ coastal and marine areas, Coastal management zones, set back line. Norms pertaining to civil aviation	03
6	Connectivity and Conversion: Satellite cities, cities of cultural / business / tourism attraction, between cities and towns, Cities getting converted into regions and towns getting converted into cities. Express ways and freight corridors, Special projects like Golden Quadrilateral, Hub airport, Impact urban development.	03
7	Smart Buildings and Cities: Need of smart cities and townships concept, few smart technologies of deployable for efficient civic services. Urban renewal through smart city concept. Advanced communications systems, metro rail systems, traffic management systems, smart meters, solid waste management, GIS to manage property tax, online quality monitoring, IT initiatives. Case studies of few smart cities – Kochi smart city, GIFT, Lavasa, etc.	06
	Total	30

Text Books:

1. Nath V and Agarwal S.K ,(2007) “Urbanization, Urban Development & Metropolitan Cities in India” Concept Publisher. New Delhi.
2. T. J Rho, J.H & Suh S (1989) Integrated Urban systems Modeling Theory and Applications: Springer Netherlands.

Reference Books:

1. Handbook of Research Methods & Applications in Urban Economies, 2013 edited by Peter Karl, Jaime Sobrino, Edward Elgar Publishing Ltd, UK
2. Henak K(2008): Urban Environmental and Technolgy: Springer Verlag. ISBN 4431783970,9784431783978
3. Chambell, H.E &Corley E.A (2012), Urban Environmental Policy Analysis M.E. Sharpe Incorporated.
4. Urban Update, (Setting the agenda for Tomorrow’s cities) monthly magazine by All India Institute of Local Self Government.
5. D C rules of MCGM (2012)
6. INSIGHT, the Global infrastructure magazine.
7. Maharashtra Redefining Urban Growth by KPMG (kpmg.com/in)

Internal Continuous Assessment

1. One class test based on the above syllabus.
2. Quiz, viva, presentation, Group work, based on assignments given by faculty.