

Department of City & Regional Planning,
School of Architecture & Planning,
University of Management and Technology

Course Outline – Planning of a New Town (CRP-332)

UMT Vision

OUR VISION IS LEARNING!

It defines our existence, inspires all stakeholders associated with us, creates a powerful momentum inside, and responds to the challenges outside. It continues to evolve as present captures new realities and foresight unfolds new possibilities.

All in an incessant attempt to help individuals and organizations discover their God-given potentials to achieve ultimate Success actualizing the highest standards of efficiency, effectiveness, excellence, equity, trusteeship and sustainable development of global human society.

UMT Mission

OUR MISSION IS LEADING!

We aspire to become a learning institution and evolve as the leading community for the purpose of integrated development of the society by actualizing strategic partnership with stakeholders, harnessing leadership, generating useful knowledge, fostering enduring values, and projecting sustainable technologies and practices.

Vision and Mission Statements of the City & Regional Planning Department

The vision statement of the Department of City & Regional Planning is:

- To be a leading City & Regional Planning Department aiming for excellence in learning, research and innovation with integrity and equity.

The mission of the Department of City & Regional Planning is:

- The mission is to establish a very important program concerning the development and management of the built environment. This is entitled as Bachelor of Science in City and Regional Planning. The studies will be focused on needs of the nation in the field of built environment of our regional, urban and rural settlements. The students are required to be equipped with knowledge of advanced skills, latest knowledge and technology used in the planning and management of various settlements. They need to be fully aware of the current world, new trends and direction of the developments in future.

Program Educational Objectives (PEOs)

Five years after graduating, the graduates of the program should be characterized by the following three features:

PEO-1:

The graduates will apply learnt knowledge and skills of spatial, temporal, and physical planning.

PEO- 2:

The graduates will propose and execute appropriate solutions to complex planning and urban issues and adapt recent developments in planning focusing on research, creativity, and innovation.

PEO-3:

The graduates will reflect core ethical values in their professional conduct and become responsible members of society.

Program Learning Outcomes (PLOs) / Graduate Attributes

Graduates of the BS CRP program at UMT are expected to have acquired and developed the following set of knowledge, skills, and personality traits (these are also referred to as graduate attributes)

PLO 1: Planning Knowledge

An ability to demonstrate knowledge of contemporary planning theories and conceptual ideologies and models.

PLO 2: Designing Analysis

An ability to identify and investigate problems, construct theoretical framework through literature review and case studies and synthesize information.

PLO 3: Professional Skills

Apply planning knowledge in design/planning process to synthesize and articulate multi-faceted variables to generate an integrated solution based on societal and environmental considerations.

PLO 4: Usage of IT

An ability to select and apply appropriate techniques and resources, including prediction and modelling, to complex planning activities.

PLO 5: Communication

Convey ideas and solutions of planning/urban problems in verbal, written and graphical modes, effectively.

PLO 6: Leadership

Ability to opt a role for affective coordination within the team & collaboration with the community.

PLO 7: Professional Ethics

An ability to apply ethical principles and professional codes following the social norms to the best interest of the society.

PLO 8: Lifelong Learning

Capable of acquiring knowledge, skill, and information self-reliantly from diverse sources and appreciating new ideas and concepts.

Course Learning Outcomes:

After studying this course, the learners will be able to:

- Understand the basics of planning a new town
- Evaluate and compare the urban form of various cities and towns worldwide
- Apply the space standards for various land-uses while planning a new town
- Propose plans of a new town such as zoning plan and neighborhood plan etc.

Title	Course Learning Outcomes	PLO 1: Planning Knowledge	PLO 2: Designing Analysis	PLO 3: Professional Skills	PLO 4: Usage of IT	PLO 5: Communication	PLO 6: Leadership	PLO 7: Professional Ethics	PLO 8: Lifelong Learning
Planning of a new Town	Understand the basics of planning a new town	✓							
	Evaluate and compare the urban form of various cities and towns worldwide		✓						
	Apply the space standards for various land-uses while planning a new town			✓					
	Propose plans of a new town such as zoning plan and neighborhood plan etc.			✓					

CODE	NAME	CLO	CLO Type
332.1	332.C1	Understand the basics of planning a new town	C2
332.2	332.C2	Evaluate and compare the urban form of various cities and towns worldwide	C5
332.3	332.C3	Apply the space standards for various land-uses while planning a new town	C3
332.4	332.C4	Propose plans of a new town such as zoning plan and neighborhood plan etc.	A5

Proposed Teaching Methodology

- Lectures
- Assignments
- Field Visit
- Class Activities
- Guest Lecture

Proposed Assessment (theory, 100%)

Mid Term (40%)

- Written long/short questions, quizzes etc.

Final Term (60%)

- Written long/short questions, quizzes etc.

Proposed Assessment (practical, 100%)

- Presentations, assignments, report writing, viva voce, field visit etc.

Recommended Text Books

1. Rosemary, W. (2016) *Practicing Utopia: An Intellectual History of the New Town Movement*
2. Levine (2016), *The Urbanism of Frank Lloyd Wright*, Princeton University Press.
3. Barnett, Jonathan (2015), *Eco design for Cities and Suburbs*, Island press, London.
4. Friedman, Avi (2014), *Planning Small And Mid-Sized Towns: Designing And Retrofitting For Sustainability*, Routledge.
5. Anthony M. T. (2014) *Smart Cities: Big Data, Civic Hackers, and the Quest for a New Utopia*
6. John, N. (2014) *New Ideals in the Planning of Cities, Towns and Villages (Studies in International Planning History)*
7. Hall, P. (2002), *Cities of Tomorrow: An Intellectual History of Urban Planning and Design in the Twentieth Century*, Blackwell Publishing.
8. Government of Pakistan (1986), *National Reference Manual on Planning and Infrastructure Standards*, Islamabad, E&UA Div. Ministry of Housing and Works.
9. Frederic, J. O. (1977), *New Towns; Their Organs, Achievements and Progress*, London, Leonard Hall.
10. B. Walter, (1972), *The Making of Cities*, London, Leonard Hall.

Course Calendar

Course code: CRP-332

Course title: Planning of New Town

Course Contents	Weeks	CLO
Design Characteristics of a Modern City/ Town Groups formation, Assigning research papers, Assigning cities to groups to study their urban form/ plan Practical: Students presentations on Research articles	1	1,2
Local and International Example of new Towns/ Cities Practical: Working on the critical analysis of cities/ towns	2	1,2
Analysis of Natural Factors for Selection of Site Practical: Working on the critical analysis of cities/ towns	3	1
Analysis of Cultural and Aesthetic Factors for Selection of Site Practical: Presentation and Submission of Assignment of critical analysis of cities/ towns	4	1
Type of Settlements Practical: Selection of Site, Feasibility Analysis of the selected site	5	1,4
New Town Planning Process Practical: Digitization of satellite imagery of the selected site, Preparation of site plan	6	1,4
Guest Lecture Muhammad Yaseen Chief Town Planner, Bahria Town Karachi Tentative Date (Monday, 15 th April, 2024) Or	7	1,4

Lecture on Zoning of new towns Practical: Preparation of Zoning plan Site Visit (20 th April, 2024)		
System of Transportation Practical: Preparation of Zoning plan	8	1,4
Mid Exam	9	-
Planning Standards for various Land-uses Practical: Preparation of Land-use Plan	10	3,4
Planning Standards for various Land-uses Practical: Preparation of Land-use Plan	11	3,4
The Concept and Principles of Neighbourhood Planning Practical: Preparation of a Neighbourhood Plan in 3D	12	4
Planning of Town Centre Practical: Preparation of Town Centre Plan	13	4
Planning of Town Centre Practical: Preparation of Town Centre Plan in 3D	14	4
Planning of Town Park Practical: Preparation of Town Park Plan (2D and 3D)	15	4
Overview of Planning of Industrial Estate Practical: Finalization of all the previous plans	16	4
Grading and Earthwork Calculations Practical: Final Presentations on group projects and final submission	17	1,4
Final Exam	18	-