

School of Architecture & Planning



COURSE STRUCTURE AND SYLLABUS FOR M.Plan (Urban Planning)

School of Architecture & Planning
BBD UNIVERSITY, LUCKNOW
M.Plan (Urban Planning)
SCHEME OF TEACHING & SCHEME OF EXAMINATION

		THEORY / PRACTICAL	SCHEME OF TEACHING				TOTAL CREDITS	CIA				ESE			Total			
			Lecture (L)	Tutorial (T)	Studio / Practical (S/P)	Total (Hrs)		TS	TA	AT	TOTAL	THESE	PHESE	TOTAL				
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SEMESTER I																		
1	CC	MPL-2101	Socio Economic Dimensions	THEORY	1	3	-	4	4	24	8	8	40	60	-	60	100	3
2	CC	MPL-2102	Urban Infrastructure Planning	THEORY	1	3	-	4	4	24	8	8	40	60	-	60	100	3
3	CC	MPL-2103	History of Human Settlement & Planning Theories	THEORY	2	1	-	3	3	24	8	8	40	60	-	60	100	3
4	PC	MPL-2104	Urban Ecology & Environmental planning	THEORY	2	1	-	3	3	24	8	8	40	60	-	60	100	3
	CC	MPL-2151	Planning Design Studio-I	PRACTICAL	2	6	-	8	8	96	32	32	160	-	240	240	400	-
6	PC	MPL-2152	Housing	PRACTICAL	1	2	-	3	3	24	8	8	40	-	60	60	100	-
					TOTAL				25	25	TOTAL						900	
SEMESTER II																		
1	CC	MPL-2201	Traffic and Transportation Planning	THEORY	1	3	-	4	4	24	8	8	40	60	-	60	100	3
2	PC	MPL-2202	Urban Risk and Disaster Management	THEORY	1	3	-	4	4	24	8	8	40	60	-	60	100	3
3	CC	MPL-2203	Urban Development & Governance	THEORY	2	1	-	3	3	24	8	8	40	60	-	60	100	3
4	EC	MPL-2204	Elective-I	THEORY	2	1	-	3	3	24	8	8	40	60	-	60	100	3
5	CC	MPL-2251	Planning Design Studio-II	PRACTICAL	2	6	-	8	8	96	32	32	160	-	240	240	400	-
6	CC	MPL-2252	Application of Geoinformatics in planning	PRACTICAL	1	-	2	3	3	24	8	8	40	-	60	60	100	-
					TOTAL				25	25	TOTAL						900	

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SEMESTER III																			
1	CC	MPL-2301	Research Methodology	THEORY	2	1	-	3	3	24	8	8	40	60	-	60	100	3	
2	FC	MPL-2302	Sustainable Planning and Development	THEORY	2	2	-	4	4	24	8	8	40	60	-	60	100	3	
3	EC	MPL-2303	Elective-II	THEORY	2	1	-	3	3	24	8	8	40	60	-	60	100	3	
4	CC	MPL-2351	Planning Design Studio-III	PRACTICAL	2	6	-	8	8	120	40	40	200	-	200	200	400	-	
5	CC	MPL-2352	Dissertation	PRACTICAL	2	2	-	4	4	30	10	10	50	-	50	50	100	-	
6	CC	MPL-2353	Training Seminar	PRACTICAL	-	3	-	3	3	-	-	-	100	-	-	-	100	-	
					TOTAL			25	25	TOTAL						900			
SEMESTER IV																			
1	FC	MPL-2401	Planning legislation and Professional practice	THEORY	2	1	-	3	3	24	8	8	40	60	-	60	100	3	
2	CC	MPL-2451	Thesis	PRACTICAL	4	18	-	22	22	-	-	-	400	-	400	400	800	-	
					TOTAL			25	25	TOTAL						900			
ELECTIVES																			
S.NO.	Course Category	SUBJECT CODE	ELECTIVES																
Elective - I																			
1	EC	MPL-2204 (1)	Rural Development Planning	THEORY	2	1	-	3	3	24	8	8	40	60	-	60	100	3	
2	EC	MPL-2204 (2)	City and Metropolitan Planning	THEORY	2	1	-	3	3	24	8	8	40	60	-	60	100	3	
3	EC	MPL-2204 (3)	Urban Heritage Conservation	THEORY	2	1	-	3	3	24	8	8	40	60	-	60	100	3	
4	EC	MPL-2204 (4)	Community planning and Participation	THEORY	2	1	-	3	3	24	8	8	40	60	-	60	100	3	
Elective - II																			
1	EC	MPL-2303 (1)	Project Planning and management	THEORY	2	1	-	3	3	24	8	8	40	60	-	60	100	3	
2	EC	MPL-2303 (2)	Politics and public Policy	THEORY	2	1	-	3	3	24	8	8	40	60	-	60	100	3	
3	EC	MPL-2303 (3)	Inclusive Planning	THEORY	2	1	-	3	3	24	8	8	40	60	-	60	100	3	
4	EC	MPL-2303 (4)	Resettlement and Rehabilitation	THEORY	2	1	-	3	3	24	8	8	40	60	0	60	100	3	

SEMESTER-I

M.PLAN SEM-I SOCIO ECONOMIC DIMENSIONS

COURSE CODE: MPL 2101	SCHEME OF TEACHING					SCHEME OF EVALUATION				
COURSE NAME: SOCIO ECONOMIC DIMENSIONS	L/S	T	P/V	Hrs	CREDIT	CIA	ESE	P/V	TOTAL	Hrs
COURSE CATEGORY: CC	1	3	-	4	4	40	60	-	100	3

COURSE OBJECTIVE:

- To understand the basics of socioeconomics, demography, and quantitative techniques in planning.

LEARNINIG OUTCOMES:

Upon successful completion of the course the students will be able to:

- Study the Social problems of slums and squatters' communities.
- Focus on economic growth and development, quality of life, poverty, and income distribution.
- Get an overview of Analytical and Quantitative techniques of calculating demography.

DETAILS OF COURSE:

MODULE 1 Introduction	Sociological concepts, relationship between human and environment. Social problems of slums and squatters' communities, social transformation and their impact on life, safety, security
MODULE 2 Elements of Micro and Macro Economics:	Demand and supply, elasticity, and consumer Markets, Economies of scale; introduction to production and factor market. Development economics and lessons from Indian experiences, Economic growth and development, quality of life; HDI, poverty and income distribution, employment, and livelihood
MODULE 3 Quantitative Techniques:	Analytical and Quantitative techniques and its application in town planning

REFERENCE BOOKS:

1. Bhende, A.A. and Kanatkar T., "Principles of Population Studies", Himalaya Publishing 2006.
2. Spiegel, M.R., "Probability and & Statistics", Schaum's Series 2002.
3. Land, K.(ed.), "Demographic Methods and Population Analysis", Dordrecht- Springer 2009.
4. Urban and Regional Development Plans Formulation and Implementation" (URDPFI) Guidelines, TCPO Publication. (draft) 2014

M.PLAN SEM-I URBAN INFRASTRUCTURE PLANNING

COURSE CODE: MPL 2102	SCHEME OF TEACHING					SCHEME OF EVALUATION				
COURSE NAME: URBAN INFRASTRUCTURE PLANNING	L/S	T	P/V	Hrs	CREDIT	CIA	ESE	P/V	TOTAL	Hrs
COURSE CATEGORY: CC	1	3	-	4	4	40	60	-	100	3

COURSE OBJECTIVE:

- To understand the importance of infrastructure planning and managing appropriate development schemes.

LEARNING OUTCOMES:

Upon successful completion of the course the students will be able to:

- Study the successful urban water supply system practices.
- Identify the Innovative Approaches of Sewage disposal in urban area.
- Focus on Social infrastructure, Transport system and other supporting amenities required.

DETAILS OF COURSE:

MODULE 1 Water supply systems	Water supply systems and networks, network mapping; water sources, quality and quantity requirements, collection, and conveyance techniques; water requirement for various land uses; Factors affecting water demand; Storage facilities. Distribution Systems; rainwater harvesting system- Locational Criteria, Implications on Land Use and Density of Water Harvesting System; Innovative Methods and successful urban water supply system practices; policies.
MODULE 2 Storm water, Sanitation and Sewer system	Storm water drainage networks, network mapping; general considerations and principles, physical layout, design principles, Data requirement, estimations of sewer generation and network requirements; Sanitation and Sewer System: General considerations and principle, Sewage Disposal and treatment Methods; Characteristics of Wastewater, Industrial Pollutants and their Effects, Innovative Approaches of Sewage disposal in urban area.
MODULE 3: Energy, Telecommunication and Fire Fighting Services	Power Supply – Sources of Electricity; Transmission, Distribution and Supply network; Sustainable Energy Planning; Telecommunications - Infrastructure and Network Systems
MODULE 4: Transport & Social Infrastructure	Types and characteristics of transport systems. Principles of transport infrastructure planning and design- roads and intersections, street infrastructure elements Social infrastructure- Typologies; Planning norms and space standards for educational, health, recreational and socio-cultural facilities

REFERENCE BOOKS:

1. Dragan, S., “Sustainable Water Management Solutions for Large Cities”, IAHS Publication. . 2005.
2. Tchobanoglous, G., “Integrated Solid Waste Management: Engineering Principles and Management Issues”, McGraw Hill. 1993
3. Goodman, A.S. and Hastak, M., “Infrastructure Planning Handbook: Planning Engineering and Economics”, New York: ASCE Press. 2006

COURSE CODE: MPL 2103	SCHEME OF TEACHING					SCHEME OF EVALUATION				
	HISTORY OF HUMAN SETTLEMENT & PLANNING THEORIES	L/S	T	P/V	Hrs	CREDIT	CIA	ESE	P/V	TOTAL
COURSE CATEGORY: CC	2	1	–	3	3	40	60	–	100	3

COURSE OBJECTIVE:

- To study the development of human settlements and the evolution process of planning principles

LEARNING OUTCOMES:

Upon successful completion of the course the students will be able to:

- Study the evolution of human settlements in modern context.
- Focus on Contributions of great planner towards development of city.
- Get an overview of Models of the planning process.

DETAILS OF COURSE:

MODULE 1 Evolution of human settlements	Relevance of evolution of human settlements in modern context. Historic determinants, Settlement types: ancient, medieval, renaissance, and industrial age.
MODULE 2 Impacts of Industrial revolution	Origin and evolution of planning: Impacts of Industrial revolution on town planning and regional planning. Contemporary developments in planning in India; formation of metropolitan areas; socioeconomic impacts of growth on population; rural-urban migration.
MODULE 3: Contributions of great planners	Contributions of Ebenezer Howard, Patrick Geddes, Tony Garnier, Lewis Mumford, Le Corbusier, and others in planning.
MODULE 4: Urban environment	The fundamental problems of the city; changes with time and growth; technological, social, and other changes in size and scale. Physical nature and characteristics of the urban environment and its components. Land uses, physical structure, and relationship between parts of city. Land use planning information system
MODULE 5 Models of the planning process	Models of the planning process, Goals of land policy, the interim and comprehensive plans: Structure Plan, Master Plan, Zonal Development Plan and Action plan their purpose and contents. System approach and physical planning, Choice theory and Advocacy planning.

REFERENCE BOOKS:

- The Urban pattern: City planning and design / GALLION, A B.
- Textbook of Town Planning / BANDOPADHYAY, ABIR
- Town Planning / RANGWALA, R C
- Introduction to Town Planning / CATANES, A & SNYDER J
- Design of cities / BACON, EDMUND N
- Garden cities of tomorrow / HOWARD, EBENZER

COURSE CODE: MPL 2104	SCHEME OF TEACHING					SCHEME OF EVALUATION				
	L/S	T	P/V	Hrs	CREDIT	CIA	ESE	P/V	TOTAL	Hrs
COURSE NAME: URBAN ECOLOGY & ENVIRONMENTAL PLANNING										
COURSE CATEGORY: FC	2	1	–	3	3	40	60	–	100	3

COURSE OBJECTIVE:

- The course is a condensed package of basic and advanced level fundamentals related to Environment, Environmental issues and Environmental planning.

LEARNING OBJECTIVES

Upon successful completion of the course the students will be able to:

- Study the issues and techniques of environmental planning.
- Clarify the Structure and functions of eco-systems.
- Study of representative samples of different ecosystems.

DETAILS OF COURSE:

MODULE 1 Introduction to ecology	Understanding the concept of environment and ecology as Environmental biology, and study of ecosystems. Importance of ecology to man in general and environmental designer, planner and in particular in the context of growing global environmental concerns.
MODULE 2 Structure and functions of eco-systems	Structure and functions of eco-systems in general. Ecosystem components and functional inter relationships; Food chain, food web, bio-geochemical cycles, energy flow and productivity. Community organization, species and population, inter-species interactions, habitat, niche, natural selection; Growth, decline and balance in populations. Concept of environmental resistance.
MODULE 3: Development of diverse ecosystems	Factors responsible for development of diverse ecosystems Role of climate and geochemical factors. Ecological succession; Study of representative samples of different ecosystems. Summary of principles of ecology derived from ecosystem study and useful guidelines for human beings. Comparison of natural ecological system and man-made systems.
MODULE 4: Guidelines to planning;	Application of ecological and environmental principles and guidelines to planning; Designing ecologically sustainable settlements and other man-made systems; Ecological footprint analysis and other contemporary concepts

REFERENCE BOOKS

1. Paolo, S., "Arcology: The City in the Image of Man", Rev. Edn. MIT Press
2. Perlman, D. and Milder, J., "Practical Ecology for Planners Developers and Citizens", Island Press.
3. Platt, R.H., "The Ecological City: Preserving and Restoring Urban Biodiversity", N.Y. Academy of Sciences.
4. Register, R., "Ecocities: Building cities in balance with Nature", New Society Publishers.

M.PLAN SEM- I PLANNING DESIGN STUDIO-I

COURSE CODE: MPL 2151	SCHEME OF TEACHING					SCHEME OF EVALUATION				
COURSE NAME: PLANNING DESIGN STUDIO – I	L/S	T	P/V	Hrs	CREDIT	CIA	ESE	P/V	TOTAL	Hrs
COURSE CATEGORY: CC	2	6	–	8	8	200	–	200	400	–

COURSE OBJECTIVE:

- To impart basic skills of planning through physical planning exercises.

LEARNING OUTCOME:

Upon successful completion of the course the students will be able to:

- Study the planning standards and criteria of designing and reading masterplans.
- Focus on small scale urban projects.
- Get an overview of urban redevelopment and renewal scheme.

DETAILS OF COURSE:

MODULE 1 Planning Standards & Guidelines	Planning surveys: Field and secondary sources-based surveys. Planning and design standards- purpose and basis of standards. Planning Reports- type, purpose and contents of planning reports; Guidelines for preparation of reports
MODULE 2 Urban Redevelopment Schemes	Planning for urban renewal, urban redevelopment schemes. Development of residential neighbourhoods, communities, and sectors. Planning for small scale urban projects.
MODULE 3: Design Exercises:	Major projects such as renewal design, development of medium sized neighbourhood, small and medium size villages, physical planning of commercial area, recreational or institutional area or planning urban and rural infrastructure. Minor projects- study of planning reports, land use study, transportation study, appraisal of plan projects and technical proposal for urban and rural problems.

REFERENCE BOOKS

1. Building Byelaws, Development Control Rules (DCR) of metropolitan cities.
2. Institute of Town Planner's, India, "Urban Development Plans Formulation & Implementation Guidelines", ITPI Publication.
3. Chiara, J.D. and Lee K., "Time Saver Standards for Site Planning", McGraw Hill.
4. Chiara, J. D., Julius, P. and Zelnik, M., "Time Saver Standards for Housing and Residential Development", McGraw Hill.
5. National Building Code (NBC), Bureau of Indian Standards.

M.PLAN SEM- I HOUSING

COURSE CODE: MPL 2152	SCHEME OF TEACHING					SCHEME OF EVALUATION				
COURSE NAME: HOUSING	L/S	T	P/V	Hrs	CREDIT	CIA	ESE	P/V	TOTAL	Hrs
COURSE CATEGORY: CC	2	1	-	3	3	50	-	50	100	-

COURSE OBJECTIVE:

- To understand issues and delivery mechanism in housing.

LEARNING OBJECTIVES

Upon successful completion of the course the students will be able to:

- Study the issues and techniques of housing planning.
- Clarify the Structure and functions of eco-systems.
- Study of representative samples of different ecosystems.

DETAILS OF COURSE:

MODULE 1	Definition of housing and community. Housing as integral component of comprehensive urban and regional development. Housing and community form as shaped by physical, technological, socio-economic, demographic and political factors. Role of housing in social and economic development. Housing as an index for social welfare. Housing in relation to stages of development particularly as related to developing economy.
MODULE 2	Micro and macroeconomic view of the housing sector. Housing situation in India in quantitative and qualitative terms. Housing statistics. Obstacles to provision of housing in India and emerging issues and priorities in urban and rural housing. Basic considerations for the formulation of viable housing policy and programmes in consonance with availability of resources and feasibility of implementation and management. Housing policy options in developing communities
MODULE 3:	Housing programmes in five year plans of India. Social housing programmes, Role of private and cooperative sectors in housing. Housing in the informal sector. Problems of slums and squatting. Public housing programmes, site and services and slums upgradation approach. The concept of housing standards and issues involved in formulation of standards. Housing and its relation to non- residential components of settlement.
MODULE 4:	Socio cultural perspective of housing. Housing and family life. Principles of community organization. Social sources of residential satisfaction. Community participation in design and implementation of housing programmes. Public housing agencies in India at National, State and Settlement level. Their functions and programmes

REFERENCE BOOKS

1. Chiara, J.; Panero, J.; Zelnik, M., Time Saver standards-Housing, Pub. by McGrawHill,1992
2. Beyer, Glen H., Housing: A factual analysis, Pub. by Macmillan, 1958.
3. Revi, A., Shelter in India – Sustainable developmental series, Pub. by Stosius Inc/Advent Books Division, 1990.
4. Douglas F., Sustainable Urbanism: Urban design with nature, Pub. by Wiley, 2007

SEMESTER-II

COURSE CODE: MPL 2201	SCHEME OF TEACHING					SCHEME OF EVALUATION				
COURSE NAME: TRAFFIC & TRANSPORTATION PLANNING	L /S	T	P/V	Hrs	CREDIT	CIA	ESE	P/V	TOTAL	Hrs
COURSE CATEGORY: CC	2	1	–	3	3	40	60	–	100	3

COURSE OBJECTIVE:

- To study the elements of infrastructure and role of transport in urban and regional planning.

LEARNING OUTCOME:

Upon successful completion of the course the students will be able to:

- Study the capacity norms for urban roads with different widths.
- Focus on different hierarchy of urban roads.
- Identify Traffic Management Systems and Safety

DETAILS OF COURSE:

MODULE 1 Introduction & Urban Road Infrastructure	<p>Definition, concepts, and utility of traffic engineering, Relationship between the traffic flow variables, fundamental of traffic flow</p> <p>Design service volume, capacity norms for urban roads with different widths.</p> <p>Urban Road cross-sectional elements- right, Carriageway, median, service lane, footpath, curb, camber, side slope, service road etc.</p> <p>Geometry of horizontal curves of urban roads, Super elevation, sight distance, access control etc. along urban roads; Street Lighting types and design; guard rails; traffic signs and marking; NMT facilities, road landscape design features on urban roads.</p>
MODULE 2 Design of Intersections	<p>Types of intersections, visibility, design principles- alignment and vertical profile, visibility, radii of curves, channelization; roundabouts- capacity and design; capacity of saturation intersection; grade separated intersection design elements ramp gradient, acceleration and deceleration lanes, weaving.</p> <p>Introduction of traffic signals, warrant for Signals, phasing and inter green period, saturation flow, optimization; of signals, Vehicle actuated signal facilities, coordination of traffic signal, area traffic control system.</p> <p>Traffic management measures, Transport System Management techniques, Road safety- collection and analysis of accident Prevention strategies</p>
MODULE 3: Transport & Planning, Management	<p>Role of transport, types of Transport systems, evolution of transport modes, transport problems and mobility issues; Urban form and Transport patterns, lane use-transport cycle, concept of accessibility; hierarchy, capacity and geometric design elements of roads and intersections.</p> <p>Traffic and transportation surveys & studies, traffic, and travel characteristics; Urban transport planning process- stages, study area, zoning, data base, concept of trip generation Transport, environment and safety issues; Principles and approaches of traffic management, transport system management.</p>

REFERENCE BOOKS:

1. Bohlinger, M., "Planning Traffic Management", Springer 2010
2. Bruton, M.J., "Introduction to Transportation Planning", Amazon Co 2009
3. Burton E. and Mitchell, L., "Inclusive urban design: streets for life", Elsevier. 2006
4. Tiwari G., "The Way Forward Transportation Planning and Road Safety", IITD Publication

COURSE CODE: MPL 2202	SCHEME OF TEACHING					SCHEME OF EVALUATION				
COURSE NAME: URBAN RISK & DISASTER MANAGEMENT	L/S	T	P/V	Hrs	CREDIT	CIA	ESE	P/V	TOTAL	Hrs
COURSE CATEGORY: FC	1	3	–	4	4	40	60	–	100	3

COURSE OBJECTIVE:

- To understand causes and consequences for urban risks and disaster and to understand principles for planning and management for its mitigation.

LEARNING OUTCOMES

Upon successful completion of the course the students will be able to:

- Study the role of land-use planning & development control regulations in managing urban risks.
- Analyse Urban Risks Assessment
- Understand Disaster Types and Impacts

DETAILS OF COURSE:

MODULE 1 Urbanisation and Associated Risks	Urbanisation patterns, resource consumption and environment versus economy and their impacts; Resource Depletion & Pollution, Environmental Concerns and Challenges, impact of human activity on environment Urban Risks- Definitions, Types and nature, Magnitude; Hazard, vulnerability, and risks; Climate Change Risks and Resilience Methods and approaches to urban risk assessment; hazard impact assessment, institutional assessment; socioeconomic assessment, Risk Mitigation and Risk Transfer; Causes and risk mitigation strategies for industrial, chemical & biological disasters
MODULE 2 Disaster Types and Impacts	Disasters- Definitions, types and examples of disasters across the World; Natural disasters and manmade Calamities, Degree of Damage, Frequency of Occurrences and Other Historical Facts; Classification of Disasters in India, land use planning, building bye laws & disaster safe construction practices. Identification of Disaster-prone areas; Forecasting & early warning systems for various types of disasters, management; Disaster Vulnerability Mapping; Disaster Preparedness, Response and Post Disaster Recovery & Rehabilitation Measures.
MODULE 3: Disaster Mitigation and Management	Kyoto Framework of Disaster Mitigation & Management; Disaster Management Policies and Act National and States; Select Global Practices. Disaster Coordination Centres functions, logistics, operations & planning. Developing and Assessing Disaster Management Plans; Community engagement; Standard Emergency Warning Signal (SEWS); and the Emergency Alert System, Basic Principles of Incident Command System – Facilities, Resource Management, Event Planning Process, Emergency response management principles and concepts; ICT in emergency responses

REFERENCE BOOKS:

- Fabrice G. Renaud, Karen Sudmeier-Rieux and Marisol Estrella, “The Role of Ecosystems in Disaster Risk Reduction”, United Nations University Press 2013.
- K. J. Anandha Kumar & Ajinder Walia, “India Disaster Report 2012”, NIDM 2013.
- Bandyopadhyay C, “Training Module on Urban Risk Mitigation”, NIDM 2013.

COURSE CODE: MPL 2203	SCHEME OF TEACHING					SCHEME OF EVALUATION				
COURSE NAME: URBAN DEVELOPMENT & GOVERNANCE	L/S	T	P/V	Hrs	CREDIT	CIA	ESE	P/V	TOTAL	Hrs
COURSE CATEGORY: CC	2	1	–	3	3	40	60	–	100	3

COURSE OBJECTIVES:

- To apprise the students of the local governance at sub provincial level and resource mapping of local governments with special emphasis on municipal governments in our country.

LEARNING OUTCOMES

Upon successful completion of the course the students will be able to:

- Understand application of management techniques in urban planning and development.
- Learn land development methods.
- Focus on Definition, concepts, and components of Urban Governance.

DETAILS OF COURSE:

MODULE 1 Institutions in Planning	Type of institutions, their role and relevance (legal, political, social, cultural and economic institutions), formal and informal institutions and spaces- their interface, conflicts, reach and their effectiveness in planning; analysing the institution; methods, process and evaluation; role of the state in planning; market facilitative, regulatory and monopoly power
MODULE 2: Institutions and Organizations	Formal and informal institutions such as constitutions, electoral rules, property rights and civil rights. How and why people in different groups, countries and cultural context of institutions to facilitate collective action. Whether different groups construct distinctly different institutions to deal with similar problems and why similar institutions seem to work differently in different distinct societies; different between organizations and institutions, government and governance; organizations: types, concepts, theories, structure and functions: approaches to understanding organizations. Institutional building: factors and processes, institution process and networks- how the network operates; present organizations dealing with urban and regional planning. Post 73rd and 74th constitution amendment act, environment and the modified role and functions of local bodies, local authorities, district authorities and state level agencies; case studies
MODULE 3: Decentralization of Powers	Development planning and Indian state- centralization, powerlessness, decentralization; the institutional frame and mechanism for urban governance as envisage in 73rd and 74th constitution amendment act, transfer of power from centre to state and state to local government, role of the existing planning and development agencies in various states in the light of constitution amendment act; role of various institutions in the governance process and access to government by various stakeholders
MODULE 4: Network Governance	Role of the state in relation to other stakeholders (NGOs, private sector. Scientific network and international institutions), new state spaces. changing role of the state- emergence of middle class and its socio-political space, collective bargaining, and collective action; role of donor agencies; advanced locality management, resident welfare associations and other agencies in the governance system. Role of people's participation in planning process: process of inclusion and exclusion in governance.

REFERENCE BOOKS

1. A.R Tyagi, Public Administration, Typographer Printer, 1985
2. W.R. Derrick Sewell, Public Participation in Planning, Johnwillyand Sons Publications, 1977
3. B.N.P. Singh, Programs, and policies of planning in India, Deep and Deep Publication, 1991
4. Bardhan; Mookherjee, Dilipeds, Decentralization and local governance in developing countries, Oxford University Press, 2007

M.PLAN SEM- II**RURAL DEVELOPMENT PLANNING (ELECTIVE-I)**

COURSE CODE: MPL 2204 (1)	SCHEME OF TEACHING					SCHEME OF EVALUATION				
COURSE NAME: RURAL DEVELOPMENT PLANNING	L/ S	T	P/V	Hrs	CREDIT	CIA	ESE	P/V	TOTAL	Hrs
COURSE CATEGORY: EC	2	1	–	3	3	40	60	–	100	3

COURSE OBJECTIVE:

- To understand socio-economic, physical, and institutional framework for rural planning and development.

LEARNING OUTCOMES

Upon successful completion of the course the students will be able to:

- Study the Rural planning methodology & techniques.
- Learn Science and technological programs in integrated rural development.
- Understand Institutions for rural development.

DETAILS OF COURSE:

MODULE 1 Introduction	Rural planning and development; Rural planning methodology, data & sources, schedule and questionnaire preparation, execution of surveys. Indicators of rural development, district level planning, village studies Rural system and its analysis process, application of statistical techniques in rural planning
MODULE 2 Rural system analysis	Rural growth pattern; Rural land economics, livestock development; Rural industrialization, impact of rural industrialization in the rural socioeconomic system. Economic theories, demand - supply, investment, production function in agriculture / rural planning.
MODULE 3: Rural infrastructure	Infrastructure planning (physical social infrastructure), and economic infrastructure; Science and technological programs in integrated rural development Institutions for rural development, community development; DRDA; Local self-governments, district planning office; state planning boards; state rural development institutions; NIRD and SIRD.
MODULE 4: Case studies	Live case studies in Indian Context

REFERENCE BOOKS:

1. Singh, S. P., "Planning and Management for Rural Development", Mittal Publisher 2003
2. Ramachandran, H., "Integrated Rural Development in Asia", Concept Publishers. 1991
3. Kumar U., "Science and Technology for Rural Development", Deep and Deep Publishers.
4. Siddiqui, N. A., "Natural Resource and Environmental Management Systems", Khanna Publishers. 2008
5. Patnayak, R., "Rural Development in India", Vikas Publishers. 1990

M.PLAN SEM- II**CITY & METROPOLITAN PLANNING (ELECTIVE-I)**

COURSE CODE: MPL 2204 (2)	SCHEME OF TEACHING					SCHEME OF EVALUATION				
COURSE NAME: CITY & METROPOLITAN PLANNING	L/S	T	P/V	Hrs	CREDIT	CIA	ESE	P/V	TOTAL	Hrs
COURSE CATEGORY: EC	2	1	_	3	3	40	60	_	100	3

COURSE OBJECTIVE:

- To understand the need and principles for city and metropolitan planning with the help of best practices in India and abroad.

LEARNING OUTCOMES

Upon successful completion of the course the students will be able to:

- Study the Urban Structure and Growth Implications
- Learn Theories of urban structure and land use.
- Understand Best practices of city and metropolitan planning in India and abroad.

DETAILS OF COURSE:

MODULE 1 Urban Structure and Growth Implications	Growth of cities; cities as engine of growth; urban sprawl; land value, economic attributes of activity location, economic forces in urban development; Structure of City Regions, area of influence Theories of urban structure and land use- Centre place theory, urban realm model, core frame theory; New urbanism; Territorial Development Theory - Growth pole theory, urban bias critique, secondary cities and urban diffusion; Emerging Rural Urban Relationship models – urban rural linkage, expanding city. Desakota model, Networked model; Territoriality of rural-urban interaction; Peri-urban Interface (PUI) case studies
MODULE 2 Approaches and Techniques:	Spatial standards for residential, industrial, commercial, institutional, transport, ecological spaces, recreational areas etc.; space standards for facility areas, utilities, and networks; performance standards Approaches for preparation of Urban development plans, Master Plans, Structure plans and Strategy Plan; Public Participation and Plan Implementation; Techniques of urban renewal and redevelopment; System approach to planning; Threshold analysis, retail location and industrial location analysis; transport system analysis
MODULE 3: Planning Approaches for Special Areas	Special area planning- definition, types, attributes, requirements, planning process; inner areas, peri-urban areas issues and planning approaches; Smart Elements, Features, planning approach and strategies, policy efforts in India; essential dimensions of inclusive planning; growth of informal sector, characteristics, linkages with formal sector Planning interventions, Inclusive zoning,
MODULE 4: Best Practices in City and Metropolitan Planning	Best practices of city and metropolitan planning in India and abroad, interdisciplinary policy issues and public actions for guiding metropolitan development

REFERENCE BOOKS:

1. A.K. Jain, “Town Planning”, Khanna Books
2. Amly Kumar Das, “Urban Planning in India”,

COURSE CODE: MPL 2204 (3)	SCHEME OF TEACHING					SCHEME OF EVALUATION				
COURSE NAME: URBAN HERITAGE CONSERVATION	L/S	T	P/V	Hr	CREDIT	CIA	ESE	P/V	TOTAL	Hr
COURSE CATEGORY: EC	2	1	–	3	3	40	60	–	100	3

COURSE OBJECTIVE:

- To impart knowledge on various methods and techniques of conservation of urban heritage buildings, heritage zones.

LEARNING OUTCOMES

Upon successful completion of the course the students will be able to:

- Learn Built heritage conservation of towns & cities.
- Focus on Natural heritage conservation.
- Understand Acts and laws recognizing conservation/regeneration.
- Emphasize on Concept of Historic Urban Landscapes

DETAILS OF COURSE:

MODULE 1 Introduction	Typology/ classification, inventories, mapping; Human habitation in historical context; Heritage as a motivating force in sustainable urban conservation and development Natural heritage conservation - typologies, policies for conservation, regulatory measures, community participation; Concept of Historic Urban Landscapes; Built heritage conservation -, determinants of built form on heritage; Historic urban infrastructure and traditional water harvesting systems
MODULE 2: Integration of historic monuments	Integration of historic monuments/areas/cores/urban systems in the developmental process and land use, regulatory measures and community involvement. Cultural and heritage-based tourism - nature, potential and prospects, marketing aspects
MODULE 3: Imageability of the City	Social/cultural/ecological/energy determinants of design; Structure of urban spaces location criteria of activities and urban uses; Urban regeneration, renewal, rehabilitation, revitalization, reconstruction and redevelopment concepts, interventions, processes, approaches and methods, tools
MODULE 4: Acts and Laws	Acts and laws recognizing conservation/regeneration; Heritage toolkit; Implications of 74th Constitutional Amendment Act

REFERENCE BOOKS:

1. Management of historic centres / edited by Robert Pickard. London; New York: Spon Press,
2. Historic cities and sacred sites: cultural roots for urban futures / Ismail Serageldin, Ephim Slusser, Joan Martin-Brown, editors Washington, D.C.: World Bank, 2001
3. Lichfield, Nathaniel. Economics in Urban Conservation. Cambridge University Press
4. Cohen, Naoum. Urban Conservation. MIT Press

COURSE CODE: MPL 2204 (4)	SCHEME OF TEACHING					SCHEME OF EVALUATION				
COURSE NAME: COMMUNITY PLANNING & PARTICIPATION	L/S	T	P/V	Hrs	CREDIT	CIA	ESE	P/V	TOTAL	Hrs
COURSE CATEGORY: EC	2	1	–	3	3	40	60	–	100	3

COURSE OBJECTIVE:

- To understand the concept, importance & process of community planning.

LEARNING OUTCOMES

Upon successful completion of the course the students will be able to:

- Learn the types, definition & activity patterns of a community.
- Focus on Principles of Community Planning.
- Understand about participatory monitoring and evaluation.
- Have a glance on case Studies on Community Participation

DETAILS OF COURSE:

MODULE 1 Overview of Communities	Overview of communities – definition, type, attributes, activity patterns , locational patterns; sociocultural aspects; community needs and spatial requirements ; socio-economic implication Community planning- Principles, approaches and key considerations; spatial-socio-economic linkages; inclusion and quality of life; neighbourhood planning; local area planning
MODULE 2: Local Planning Tools and Techniques	Participatory Learning (PLA) tools: Mapping local context and problem identification, Focus Group Discussions, Audit of communities and its facilities; rapid assessment of community needs and planning intervention. Participatory process in housing and community development; Community participation- community involvement, community action; role of CBOs, NGOs, SHGs, etc.
MODULE 3: Process of People’s Participation	Participatory approaches, Typology of participation, Key principles of applying participatory methods and tools, Participatory attitudes and behaviour, Teamwork skills in the context of participation, PLA/PID Tools, Participation as a process, Participatory Monitoring and Evaluation, Beneficiary Assessment, social assessment, stakeholder analysis
MODULE 4: Case studies	Detailed cases of community participation in areas of provision of housing/shelter, electricity, water supply, sanitation, solid waste disposal, transport, social infrastructure – health, education and cultural facilities; economic upliftment, resource mobilisation; maintenance and management of community assets

REFERENCE BOOKS:

1. Eric Damian Kelly’ “Community Planning, An Introduction to the Comprehensive Plan”, Island Press, 2010
2. Chritine Wenman & Wendy Sarkissian, “Creative Community Planning: Transformative Engagement Methods for Working at the Edge’, Earthscon, 2010

M.PLAN SEM- II PLANNING DESIGN STUDIO – II

COURSE CODE: MPL 2251	SCHEME OF TEACHING					SCHEME OF EVALUATION				
COURSE NAME: PLANNING DESIGN STUDIO – II	L/S	T	P/V	Hrs	CREDIT	CIA	ESE	P/V	TOTAL	Hrs
COURSE CATEGORY: CC	2	6	–	8	8	200	–	200	400	–

COURSE OBJECTIVE:

- To impart advanced and professional planning skills through urban and rural planning design exercises.

LEARNING OUTCOME:

Upon successful completion of the course the students will be able to:

- Study the planning data base for perspective plans, development plans, sectoral plans.
- Focus on Planning policies, guidelines and strategies for urban and rural development.
- Identify General and specific guidelines for the preparation of planning reports.

DETAILS OF COURSE:

MODULE 1 Introduction	Preparation of planning data base for perspective plans, development plans, sectoral plans and scheme. Planning policies, guidelines and strategies for urban and rural development. Review of case studies.
MODULE 2 Preparation of development plan	Methodology for the preparation of development plan of new towns and urban extensions. Development issues and methodology and guidelines for the preparation of development plans for block, district etc. Study of settlement infrastructure and planning for the development of urban and rural infrastructure. Varieties of planning reports and their contents. General and specific guidelines for the preparation of planning reports.
MODULE 3: Design exercises	Major projects such as – development plan of existing or new towns; Metropolitan region plan; Development plans for block, district or other region with respect to physical development, ecological enhancement and networks. Minor projects - model community of futuristic nature, environmental studies of small communities, planning of facilities and amenities within a settlement or region. Development and redevelopment of urban and rural communities.

REFERENCE BOOKS:

1. Sendikh, E., “Planning and Urban Design Standards”, American Planning Association.
2. Master Plan Reports of Important Cities like Delhi, Mumbai and Chennai
3. Moughtin, C., “Urban Design Methods and Techniques”, Oxford Architectural Press.
4. Reports on City Development Plans of Mysore, Pune, Jaipur etc.
5. Katz, R. D., “Design of the Housing Site” Small Homes Council-Building Research Council, University of Illinois.

M.PLAN SEM- II APPLICATION OF GEOINFORMATICS IN PLANNING

COURSE CODE: MPL 2252	SCHEME OF TEACHING					SCHEME OF EVALUATION				
COURSE NAME: APPLICATION OF GEOINFORMATICS IN PLANNING	L/ S	T	P/ V	Hrs	CREDIT	CIA	ESE	P/V	TOTAL	Hrs
COURSE CATEGORY: CC	1	–	2	3	3	50	–	50	100	–

COURSE OBJECTIVE:

- To introduce the principles of aerial and satellite based remote sensing for studying earth resource & introduce geophysical well logging techniques for interpretation of subsurface geology.

LEARNING OUTCOMES

Upon successful completion of the course the students will be able to:

- Study the development of remote sensing technologies.
- Focus on Photographic techniques in aerial and space borne remote sensing.
- Identify Image characteristics and interpretation of different geological landforms.

DETAILS OF COURSE:

MODULE 1 Introduction	Introduction, development of remote sensing technology, advantages; Different platforms of remote sensing; EM spectrum, solar reflection and thermal emission remote sensing. Interaction of EM radiation with atmosphere including atmospheric scattering, absorption & emission. Interaction mechanisms of EM radiation with ground, spectral response
MODULE 2 Photographic techniques	Photographic techniques in aerial and spaceborne remote sensing; Spectro zonal photography using various camera, film, filter combinations; Applications and Stereo aerial photography, principle of stereoscopy, elements of photogrammetric. Principles of image interpretation, digital image processing. Limitations curves.
MODULE 3: Multi-spectral scanners and imaging devices	Multi-spectral scanners and imaging devices; Salient characteristics of LANDSAT, IRS, SPOT, IKONOS, Quick Bird, GeoEye sensors and their applications. Image characteristics and interpretation of different geological landforms, structures & major igneous, sedimentary and metamorphic rock types; Remote sensing as a fore-runner in all exploration programs.

REFERENCE BOOKS:

1. Drury, S. A., "Image Interpretation in Geology", 2nd Ed., Allen and Unwin.
2. Gupta, R. P., "Remote Sensing Geology", 2nd Ed., Springer
3. Lillesand, T.M., Kiefer, R.W. and Chipman, J.W., "Remote Sensing and Image Interpretation", 5th Ed., John Wiley & Sons.
4. Sabins, F.F. Jr., "Remote Sensing-Principles and Interpretation", 3rd Ed., Freeman

SEMESTER-III

M.PLAN SEM- III**RESEARCH METHODOLOGY**

COURSE CODE: MPL 2301	SCHEME OF TEACHING					SCHEME OF EVALUATION				
COURSE NAME: RESEARCH METHODOLOGY	L/S	T	P/V	Hrs	CREDIT	CIA	ESE	P/V	TOTAL	Hrs
COURSE CATEGORY: CC	1	3	-	4	4	40	60	0	100	3

COURSE OBJECTIVE:

- To train students in research design and report writing methods.

LEARNING OUTCOMES

Upon successful completion of the course the students will be able to:

- Learn its importance, purpose, and scope in the professional and academic field.
- Study the different types of research techniques and process.
- Get skilled in writing thesis, project, and master plan reports.

DETAILS OF COURSE:

MODULE 1 Introduction	Research in architecture and planning-its importance, purpose, and scope in the professional and academic fields; common and exclusive areas of research in architecture and planning. Overview of architectural and design research techniques in areas such as architectural
MODULE 2 Research sequence and Methods	Research sequence and methods; Problem identification, formulation of hypothesis, objectives, and methodology; Literature survey and preparation of bibliography and sources of data. Qualitative, interpretative, correlation, analytical, experimental, and quasi-experimental, modelling and simulation research methods; Case- studies.
MODULE 3: Surveys	Field surveys- physical, architectural, land use, environmental, organizational, and household surveys; Preparation of schedules, questionnaires, and other data sheets; Pilot surveys; Formulation of database. Techniques and methods of analysing architectural data, establishing correlations and interrelationships;
MODULE 4: Environmental Network Analysis	Forecasting and modelling and validation Evaluation and appraisal of architectural and planning projects; Techniques of writing thesis, project and master plan reports, research papers for publication; Presentation techniques

REFERENCE BOOKS:

1. Knight, A. and Ruddock, L., "Advanced Research Methods in Built Environment", John Wiley & Sons. 2008
2. Groat, L. and Wang D., "Architectural Research Methods", John Wiley & Sons. 2002
3. Gibbs, J.P., "Urban Research Methods", (rev.ed.) Von Nostrand. 1988
4. Khanzode, V.V., "Research Methodology -Techniques and Trends", APH Publishing. 1995
5. Kothari, C.R., "Research Methodology- Methods and Techniques", New Age International. 2004

M.PLAN SEM- III**SUSTAINABLE PLANNING AND DEVELOPMENT**

COURSE CODE: MPL 2302	SCHEME OF TEACHING					SCHEME OF EVALUATION				
COURSE NAME: SUSTAINABLE PLANNING AND DEVELOPMENT	L/S	T	P/V	Hrs	CREDIT	CIA	ESE	P/V	TOTAL	Hrs
COURSE CATEGORY: CC	2	2	-	4	4	40	60	-	100	3

COURSE OBJECTIVES:

- To understand the need and principles of sustainable planning with its management in urban planning

LEARNING OUTCOMES

Upon successful completion of the course the students will be able to:

- Understand Principle of Sustainable Planning.
- Learn the basic concepts and definitions of Climate Change.
- Focus on application of Ecological Principles in Sustainability.
- Study Low Carbon Urban Development.

DETAILS OF COURSE:

MODULE 1 Introduction to Sustainable Development	Sustainable Development- Definitions, Concepts and Parameters; Eco-City Approach; Kyoto Protocol, Intergovernmental Panel on Climate Change (IPCC), United Nations Framework Convention on Climate Change; Indian Network of Climate Change Assessment, Global Environment Facility, and Clean Development Mechanism; UNHABITAT policies, Sustainable Development Goals, New Urban Agenda, Sustainable Cities Programme (UNEP and UN-Habitat), Localizing Agenda 21 (UN-Habitat). Concept of sustainable planning, Three pillars of sustainability and its implication in planning process; Environmental preservation; commerce and liveability; Walkability and Connectivity; Integration of diverse community features;
MODULE 2: Ecological Principles in Planning	Natural drainage and water bodies; Application of Ecological Principles in Sustainability; Carrying Capacity Based Planning- Concept, Parameters and Indicator Measures; Models and Case Studies in Urban and Regional Development Basic concepts and definitions of Climate Change; Urban Heat Islands; Climatic Change and Human History; Impacts of Climate Change; Climate as Forcing Variable, Locational Attributes, Sensitivity and Vulnerability of Different Sectors;
MODULE 3: Low Carbon Urban Development	Low carbon urban development strategies- concept of 3-Rs: "Recycle-Reuse and Recovery"; Low carbon transport modes and mobility options; Land Capability and Suitability Analysis; Use of Non-Conventional Energy Sources; Urban Water Treatment, Recycling and Harvesting; Pollution Control Measures for Industrial Wastes, Hazardous Wastes, Biomedical Wastes, Domestic Wastewater, Air Pollutants and Noise.

REFERENCE BOOKS:

1. Robert Riddell, "Sustainable Urban Planning", Wiley Publishers, 2004
2. Karen Chapple, "Planning Sustainable Cities and Regions Towards More Equitable Development", Routledge, 2015
3. Joy Sen, "Sustainable Urban planning in India", The Energy and Resource Institute, 2013.

COURSE CODE: MPL 2303 (1)	SCHEME OF TEACHING					SCHEME OF EVALUATION				
COURSE NAME: PROJECT PLANNING AND MANAGEMENT	L/S	T	P/V	Hrs	CREDIT	CIA	ESE	P/V	TOTAL	Hrs
COURSE CATEGORY: EC	2	1	–	3	3	40	60	–	100	3

COURSE OBJECTIVES:

- To provide a brief introduction to general issues of project management & sights into problem solving and persuasive presentation of solutions.

LEARNING OUTCOMES

Upon successful completion of the course the students will be able to:

- Learn about process of Project Formulation and constraints
- Focus on Project financing need assessment.
- Get aware how people work as team members and as individuals.
- Get Details of Project Evaluation- Methods

DETAILS OF COURSE:

MODULE 1 Introduction & Project Appraisal	Definition of Project, Project Management – Definition and its importance; Stages of Project Life Cycle; Causes of Project Delay; Role of Project Manager; Attributes of a Successful Project Management. Introduction to Project Appraisal - Types of Feasibility, Financial and Economic Appraisals, Project Financial Appraisal Techniques; Market Analysis - survey methods, market characterization, demand forecasting; Technical analysis- materials, equipment, factors of production availability, implementation schedule, suitability of the plans, layout and design; estimation of casting of components; social cost benefit analysis.
MODULE 2: Project Planning and Scheduling	Introduction to Project Planning- Process, Investment Phase; Project Work (Work Breakdown Structure), Manpower and Organisation, Project Finance, Information System; Process of Project Formulation and constraints; Sensitivity Analysis; Project Budgeting. Project Scheduling - definition and steps; Critical Path and Slack; PERT; concept of Gantt Chart
MODULE 3: Project Financing	Project financing need assessment; sources of funds; disposition of funds, planning for project financing. Project Monitoring and criteria for decision making; Parameters and Tools of Control; Use of Network Analysis in Project Monitoring; Reporting and Corrective Actions; Resource Management and Project Reporting Project Evaluation- Methods, tools, time frame and results; Project Cash Flows; Project Benefits; Financial Closure, Presentation of evaluation findings

REFERENCE BOOKS:

1. Goodman, Louis T.; Love; Ralph N.; Project Planning and Management: an integrated approach; Pergamon Press, NY 1980
2. Klein Hartmut; Basic Project Planning; Uppal Publishing, New Delhi 1981
3. Jain D. K.; Project planning and appraisal in planned economy the Indian context; New Delhi, Uppal Publishing, 1981
4. Little, I.M.D.; Merles, J.A.; Project appraisal and planning for developing countries; London, Heinemann Educational Books 1974

COURSE CODE: MPL 2303 (2)	SCHEME OF TEACHING					SCHEME OF EVALUATION				
	L/S	T	P/V	Hrs	CREDIT	CIA	ESE	P/V	TOTAL	Hrs
COURSE NAME: POLITICS AND PUBLIC POLICY										
COURSE CATEGORY: EC	2	1	–	3	3	40	60	–	100	3

COURSE OBJECTIVE:

- To provide an in-depth study of the various approaches for policy formulation, implementation, and evaluation.

LEARNING OUTCOMES

Upon successful completion of the course the students will be able to:

- Learn about the policies formulation and implementation in planning.
- Focus on Principles of public participation in policy making.
- Understand about participatory monitoring and evaluation.

DETAILS OF COURSE:

MODULE 1 State as a manager of resources and politics of provision	Political culture of Indian State, State and local political economy, emergence of state in the federal set up; politics of the state and bureaucracy, politics and emergence of civil society; regeneration and redevelopment politics; property rights, norms and standards, government market and market by government; regulatory state, reforming state, rent seeking state and their special implications. land use politics, politics of provision of housing in urban and rural areas, infrastructure; decision making, decision-taking process; financing and pricing, Case studies from India and abroad on planning and political decisions in their impact on rural and urban development; examples from South Korea; conversion of rural land to urban land, FSI changes and resultant changes in land use and form: China, USA and other countries
MODULE 2: Nature and making of public policy	Nature of public problems, planning as a public issue- policy analysis and process; six steps in policy analysis: how are policies made, who influences the policy agenda and what issues affect policy's 'successes and 'failure'? What can we learn from how different countries approach similar policy problems? Theoretical frameworks, the role of institutions in the policy process and the motivation of policy actors; classical rational problem-solving model; limitations in public sector and the private sector; establishing analysis
MODULE 3: Public Policy Analysis and strategic policy planning	Overview of policy process models; policy initiations; multi-stream approaches, policy implementation analysis, life-course approach to policy analysis, case studies in policy planning analysis, policy integration, possible areas of integration in planning; differences between strategic planning management in public and private sectors, mission statements and goal setting techniques, strategic decisions and evaluation, strategic leadership, coordination and networks, crisis management, transformational strategic management

<p>MODULE 4: Public Policy Management and delivery</p>	<p>How are new information and communication technologies shaping public service delivery? E-governance, e-panchayats, e-markets etc.; transparency, accountability, accessibility, participatory mechanisms; trends and pressures that effect public service organizations, market-based arrangements, Multi-service provider arrangements in public sector setting, benchmarks in policy management, land, environment, health, water and other policies- integration and disintegration of policies- frequency and commitments to change; global commitments; MDG, environment etc. and its commitments at the national, state and local level, land policy; interest groups, acts/ agents and policy making process</p>
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REFERENCE BOOKS:

1. “Urban policy and practice”, Tim Blackman, Routledge.
2. “Public Policy: Art and craft of policy analysis”, R.K. Sapru, PHI Learning Pvt. Ltd, New Delhi.
3. “Public Policy Analysis”, William N. Dunn, Pearson Edition.
4. “Public Policy, Analysis and Design”, VK Agnihotri, Concept Publishing.

M.PLAN SEM- III INCLUSIVE PLANNING (ELECTIVE-II)

COURSE CODE: MPL 2303(3)	SCHEME OF TEACHING					SCHEME OF EVALUATION				
	L/S	T	P/V	Hrs	CREDIT	CIA	ESE	P/V	TOTAL	Hrs
COURSE NAME: INCLUSIVE PLANNING										
COURSE CATEGORY: EC	2	1	–	3	3	40	60	–	100	3

COURSE OBJECTIVE:

- To understand the basic concepts of regions, regional development issues, various theories and methods, and overall process of regional planning.

LEARNING OUTCOMES

Upon successful completion of the course the students will be able to:

- Study the aggregate growth model from inside and outside, economic models industries.
- Learn polarization effects and agglomeration economies.
- Understand Comprehensive regional planning with context to Indian case studies.

DETAILS OF COURSE:

MODULE 1 Introduction & Regional growth	Definition and delineation of region, need for regional planning. Regional long run growth, aggregate growth models, growth from inside and outside, economic models, industrial structure analysis Economics of regional development; creative economy, regional analysis; Five-year plans and their impacts in urban/rural system
MODULE 2 Regional economics	Regional inequality: Regional imbalance and inequalities in India, development of backward areas, decentralized planning; Multilevel planning Location analysis, leading industries and propulsive firms, polarization effects and agglomeration economies, network analysis, spread effects, and backwash effects
MODULE 3: Regional plan in India	Planning in India an overview; Development Programs in urban and rural systems; Case Studies. City and metropolitan planning, trends in urban growth and urbanization in India, Comprehensive regional planning, Case studies

REFERENCE BOOKS:

1. Unaeghu, G. C., "Issues in Urban and Regional Planning", Washington House. 2005.
2. Glasson, J., "An Introduction to Regional Planning" Rev. Ed. Routledge. 1995.
3. Calthorpe P. and Fulton, W.B., "The Regional City: Planning for the End of Sprawl", Island Press.
4. Hall, P., "Urban and Regional Planning", 4th Ed. Routledge. 2002
5. Regional Plan-2021-NCR/11th Five Year Plan, Govt. of India. 2007
6. Urban and Regional Development Plans Formulation and Implementation" (URDPFI) Guidelines, ITPI Publication. (draft) 2014

M.PLAN SEM- III RESETTELMET AND REHABILITATION (ELECTIVE-II)

COURSE CODE:MPL 2303 (4)	SCHEME OF TEACHING					SCHEME OF EVALUATION				
COURSE NAME:RESETTELMEN T & REHABILITATION	L/S	T	P/V	Hrs	CREDIT	CIA	ESE	P/V	TOTAL	Hrs
COURSE CATEGORY:EC	2	1	-	3	3	40	60	-	100	3

COURSE OBJECTIVE:

- To provide an in-depth study of the various approaches for policy formulation, implementation and evaluation of resettlement and rehabilitation processes

LEARNING OUTCOMES

Upon successful completion of the course the students will be able to:

- Learn about the fiscal and financial background and funding.
- Tools and techniques used by local government in financing and funding.
- Understanding of public policy framework and strategies.

DETAILS OF COURSE:

MODULE 1: Land development and resultant resettlement	Land acquisition models and practices in India and elsewhere for projects, compulsory acquisition, land sharing and adjustment models, land pooling, negotiated land acquisition, development induced relocation- voluntary and involuntary resettlement, resettlement and rehabilitation policies, policies of multi-lateral/ bilateral funding institutions, World Bank, Asian Development Bank Policies, National Policy on resettlement and rehabilitation and state policies on R and R and sector specific policies in large projects such as multi-purpose dam projects, mining projects, highway projects, SEZ, etc.
MODULE 2: Impact of resettlement and rehabilitation (R and R) plan	Poverty and social impact assessment for development project; linear projects (roads, railways etc.), vis-à-vis non-linear projects (township/ industrial area development, dams, forests), impact on vulnerable and indigenous groups; project affected people and project affected assets, impact on women and children, gender action plans, resettlement plan; context, content, structure, principles, and practices; economic, social and physical implications of resettlement, rehabilitation; Case studies in resettlement and rehabilitation in development sectors, mining, highways, power, industrial and township development; flood affected areas and other infrastructure projects such as Mumbai Transport Project
MODULE 3: Rehabilitation Participation as an important tool for resettlement	Policies, assessing the livelihood losses, livelihood impact assessment and skill mapping surveys, income restoration strategies, training strategy for skill upgradation and meeting demands for shifting economic profiles in the development areas. Use of participatory tools for resettlement planning, institutional arrangements for R and R- role of NGOs/ CBOs and other local, state, national and international organizations in resettlement and rehabilitation; monitoring and evaluation of R and R intervention

REFERENCE BOOKS:

1. Development-induced Displacement, Rehabilitation and Resettlement in India Current Issues and Challenges, Sakarama Somayaji, Smrithi Talwar.
2. Development, Displacement, and Resettlement, Rawat Publications, Manish Kumar verma.
3. National Rehabilitation & Resettlement Policy, 2007.pdf
4. Resettlement and Rehabilitation: Indian Scenario, Clare Lizamit Samling (Centre for Environment & Development), Asish K. Ghosh (Centre for Environment & Developent), Sugata Hazar (Jadavpur University)

M.PLAN SEM- III**PLANNING DESIGN STUDIO-III**

COURSE CODE: MPL 2351	SCHEME OF TEACHING					SCHEME OF EVALUATION				
COURSE NAME: PLANNING DESIGN STUDIO-III	L/S	T	P/V	Hrs	CREDIT	CIA	ESE	P/V	TOTAL	Hrs
COURSE CATEGORY: CC	2	6	–	8	8	200	–	200	400	–

COURSE OBJECTIVE:

- To develop professional attitude and a comprehensive approach to sustainable physical planning projects

LEARNING OUTCOMES

Upon successful completion of the course the students will be able to:

- Learn Development plan for an urban region.
- Development plan for larger regions or valley regions
- Study the different type of strategies which is used in development plan formulation for region areas.

DETAILS OF COURSE:

MODULE 1 Integrated Development Plan	Integrated development plan for a large urban settlement with respect to TOD or urban policies, development plan for an urban region.
MODULE 2: Development Plan	Development Plan for larger regions like valley regions and watershed regions etc
MODULE 3: Design exercises	Minor projects - model community of futuristic nature, environmental studies of small communities, planning of facilities and amenities within a settlement or region. Development and redevelopment of urban and rural communities.

NOTE

Major project (any one of the following)

Minor project (any two) - these are to be related to the main project with emphasis on analysis and innovation.

REFERENCE BOOKS:

3. Building Byelaws, Development Control Rules (DCR) of metropolitan cities.
4. Institute of Town Planner's, India, "Urban Development Plans Formulation & Implementation Guidelines", ITPI Publication.
5. Chiara, J.D. and Lee K., "Time Saver Standards for Site Planning", McGraw Hill.
6. Chiara, J. D., Julius, P. and Zelnik, M., "Time Saver Standards for Housing and Residential Development", McGraw Hill.
7. National Building Code (NBC), Bureau of Indian Standards.

M.PLAN SEM- III DISSERTATION

COURSE CODE: MPL 2352	SCHEME OF TEACHING					SCHEME OF EVALUATION				
COURSE NAME: DISSERTATION	L/S	T	P/V	Hrs	CREDIT	CIA	ESE	P/V	TOTAL	Hrs
COURSE CATEGORY: CC	1	3	–	–	4	50	–	50	100	–

COURSE OBJECTIVE:

- To develop independent critical thinking and design/research abilities and apply the knowledge gained, skills developed, and professionalism inculcated over the last three semesters in an exercise of own interest and significant complexity.

LEARNING OUTCOMES

Upon successful completion of the course the students will be able to:

- Demonstrate an evidence of satisfactory knowledge in the field of research undertaken by the student.
- Learn implementation of the analysis work done in the previous semester.
- General Proficiency helps students in building their profile and upgrading professional skills after performing in various activities

DETAILS OF COURSE:

Thesis will consist of three parts:

MODULE 1 Research oriented	Research oriented towards establishing a strong theoretical background for the chosen subject by means of extensive literature study, data collection, Site and Data analysis. Initial stages would include study of relevant case studies and literature relevant to the topic, based on which the space program would be determined. (To be completed in 3rd semester)
MODULE 2 Application and Implementation	Application and implementation of the analysis work done in the previous semester in the form of planning proposals, strategies, guidelines, and detailed plans. (To be completed in 4th semester)
MODULE 3 General proficiency	A viva-voce would be conducted at the end of the semester, in which a candidate is required to furnish particulars of his other achievements, outside academics along with relevant support documents The students will receive credits for their participation into extracurricular activities covering any or all of the following areas: Conference, Webinars, Workshop, Sports activity, Research paper or article.

APPROACH:

1. A dissertation is an independent paper based in theory and heavily research-oriented and serves as the culminating project for a master's candidate.
2. A student for M.Plan degree program shall undertake a research/project dissertation work under the guidance of a teacher of the Discipline. Supervision shall also be allowed from professionals from any recognized Research Institutes/Organizations.
3. A Co-supervisor from within or outside the department / institute may be appointed, if necessary.
4. Professional communication skill shall be evaluated periodically through communication skill by judgment at the time of presentation by the concerned student.

M.PLAN SEM- III TRAINING SEMINAR

COURSE CODE: MPL 2353	SCHEME OF TEACHING					SCHEME OF EVALUATION				
COURSE NAME: TRAINING SEMINAR	L/ S	T	P/V	Hrs	CREDIT	CIA	ESE	P/V	TOTAL	Hrs
CC	-	3	_	_	3	100	_	100	100	_

COURSE OBJECTIVE:

To appraise with the techniques in profession and in research through experience and illustrations.

DETAILS OF COURSE:**Contents:**

- Students are required to complete with the requirements and align with the instructions in the training approved by the Department Faculty Board of four to six weeks.
- Students to present their professional training completed in the previous semester under the supervision of professional planning or research or likewise organization. The focus shall be on contributions and the lessons received in the course of professional training.
- Research study and documentation work from the offices

APPROACH:

1. A student for M.Plan degree program shall undertake a research/project dissertation work under the guidance of a teacher of the Discipline. Supervision shall also be allowed from professionals from any recognized Research Institutes/Organizations.
2. A Co-supervisor from within or outside the department / institute may be appointed, if necessary.
3. Professional communication skill shall be evaluated periodically through communication skill by judgment at the time of presentation by the concerned student.

SEMESTER-IV

COURSE CODE: MPL - 2401	SCHEME OF TEACHING					SCHEME OF EVALUATION				
COURSE NAME: PLANNING LEGISLATION & PROFESSIONAL PRACTICE	L/ S	T	P/V	Hrs	CREDIT	CIA	ESE	P/V	TOTAL	Hrs
COURSE CATEGORY: FC	2	1	-	3	3	40	60	-	100	3

COURSE OBJECTIVE:

- To understand legislation and its implementation applicable to urban and rural planning and development.

LEARNING OUTCOMES

Upon successful completion of the course the students will be able to:

- Study the Significance and Objectives of Legislation.
- Focus on Evolution of Planning Legislation in India.
- Identify Professional Activities and Responsibilities.

DETAILS OF COURSE:

MODULE 1 Concept of Legislation	Significance and Objectives of Legislation; Constitutional basis and provisions relating to land, its development and use. Evolution of Planning Legislation in India; Types and description of various Acts- Town and Country Planning Acts, Improvement Trust Act, Urban Planning & Development Authorities Act- objectives, contents, master plans and town planning schemes; Various Acts related to urban governance; land resources, environment protection, public participation in statutory process.
MODULE 2 Public Participation in Planning Process	Town & Country Planning Organization, Urban Development Departments, City Improvement Trust, Development Authorities. Municipal Corporation etc. Objectives, functions and duties, organisational structure, technical capacity, statutory obligations, budgetary outlays. Role of interdisciplinary groups; Appreciation of the decision-making processes, process in relation to varied consultancy assignments of planning.
MODULE 3: Roles and responsibilities of Planning	Aims and objectives of professional institute and bodies in planning; professional roles and responsibilities of planning consultants; professional ethics; responsibilities towards clients, fellow professionals and general public; Scope of services for different projects; Consultancy agreements and safeguards. Fees and scales of professional charges; negotiation, liability, code of conduct, arbitration
MODULE 4 Project Formulation and Implementation	Project context; Project rationale and objectives; Bid documents, Tenders, Contracts; Implementation approaches and methods, Work plan, Budget, Assumptions, risks, and sustainability; Implementation arrangements. Organizational structure and stakeholder involvement mechanisms reporting, review, monitoring and evaluation; Dissemination and mainstreaming of project learning.

REFERENCE BOOKS:

- Building Byelaws of various states, master plan reports of various cities
- Constitutional Amendment 73rd and 74th of 1992, Deptt. of Publications, GOI
- The Delhi Laws (Special Provision) Act, 2006.
- The Karnataka Urban Development Authorities Act, 1987

M.PLAN SEM- IV THESIS

COURSE CODE: MPL 2451	SCHEME OF TEACHING					SCHEME OF EVALUATION				
COURSE NAME: THESIS	L/ S	T	P/V	Hrs	CREDIT	CIA	ESE	P/V	TOTAL	Hrs
COURSE CATEGORY: CC	4	18	_	22	22	400	_	400	800	_

COURSE OBJECTIVE:

- To provide a comprehensive document / model related to process of urban planning or part thereof Upon successful completion of the course the students will be able to:

DETAILS OF COURSE:**Contents:**

- Students are expected to extend the work submitted in the previous semester to present a study complete in respect of its objectives and recommendations.
- Students are required to complete with the requirements and align with the instructions in the Thesis Manual approved by the Department Faculty Board

APPROACH:

1. A dissertation is an independent paper based in theory and heavily research-oriented and serves as the culminating project for a master's candidate.
2. A student for M.Plan degree program shall undertake a research/project dissertation work under the guidance of a teacher of the Discipline. Supervision shall also be allowed from professionals from any recognized Research Institutes/Organizations.
3. A Co-supervisor from within or outside the department / institute may be appointed, if necessary.
4. Professional communication skill shall be evaluated periodically through communication skill by judgment at the time of presentation by the concerned student.