

SHRI VAISHNAV VIDYAPEETH VISHWAVIDYALAYA

SEM – II

MPLN 201 PLANNING STUDIO II

Sr. No	Course Code	Course Area	Course Typology	Course Name	TEACHING SCHEME/WEEK			CREDITS	EXAMINATION SCHEME						TOTAL MARKS	EXAM DURATION (HRS)		
					L	T	S		THEORY			PRACTICAL						
									Two Term Exam (10%) (MST)	Teachers Assessment (20%) (SS)	End Semester University Exam (60%) (ESUE)	Total	Internal Assessment (50%) (IA)	External Viva (50%) (EV)			Total	
1	MPLN 201	PL	STUDIO	PLANNING STUDIO - II	0	0	10	10	0	0	0	0	0	300	300	600	600	

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; S - Studio; C - Credit; MST-Mid Sem Exam, ESUE- End Semester Examination, IA-Internal Assessment, EV - External Viva.

*Teacher Assessment shall be based following components: Quiz/Assignment/ Project/Participation in Class.

COURSE EDUCATIONAL OBJECTIVES (CEOS):

- Course Objective is to enable students to work on large scale cities and emerging metropolitan cities. The work ranges from preparation of sustainable development plans to sector specific themes, such as pertaining to tourism, SEZs, etc.
- The course focuses on to provide extensive knowledge for various National ongoing sectorial activities.

COURSE OUTCOMES (COS):

As per the end outcome students will be able to bring sustainable solution outcomes for local level urban planning .

- Infer skills for primary surveys. Students are expected to analyse the information and arrive at recommendations.
- To study participatory approach in projects.
- Ability to thoroughly document the studio project with digital skills.

COURSE CONTENTS :

STUDIO EXERCISE – 1 – Master Plans / Peri-urban and fringe areas

Master plan is a long term planning, generally for 20 years. It is also a comprehensive planning for service area as per likely spread of city in next 20 years. It describes all works required in next 20 years in phased manner. The designs and estimates are prepared approximately. It finalizes some of the main parameters so that advance action can be taken.

Master plans can have an important role in determining the shape of the urban environment. If not well conceived, they can lead to problems in the future. As city regeneration initiatives are generally long-term propositions, it is important to consider the master plan as a dynamic document that can be altered based on changing project conditions over time.

Master planning can assume some or all of these roles:

- Develop a phasing and implementation schedule and identify priorities for action
- Act as a framework for regeneration and attract private sector investment.

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					L	T	S		THEORY			PRACTICAL				
									Two Term Exams (20% (1ST))	Teachers Assessment (20%) (5%)	End Semester University Exams (60%) (E.S.U.)	Total	Internal Assessment (10%) (IA)	Internal Vivas (80%) (IV)		
1	MPLN 201	PL	STUDIO	PLANNING STUDIO - II	0	0	10	10	0	0	0	0	300	300	600	600

- Conceptualize and shape the three-dimensional urban environment.
- Define public, semiprivate, and private spaces and public amenities.
- Determine the mix of uses and their physical relationship.
- Engage the local community and act as builder of consensus.

Peri-urban and fringe areas have not received the attention of town planners, policymakers and decision-makers, as they are viewed as 'temporary zones' awaiting urban expansion and development with an uncertainty of such transformation. Such transient nature of their development gives rise to sustainability issues such as land use conversion, resource exploitation, perverse social changes, piecemeal growth, low scale economic activities, pollution of ecology and environment.

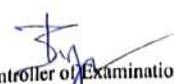
- The focus of the studio is on management and governance aspects (in line with the other core and elective courses offered in the semester).
- The exercise pertains to metropolitan cities and mega cities and ranges from preparing management plans and projects related to various sectors pertaining to infrastructure, disaster risk, riverfront development etc.
- Students are also required to identify and formulate projects, work out the appraisals and do the feasibility, viability and implementation mechanisms of the projects.
- Students work on a case study town/city and have to visit the field for collection of data and interaction with city officials and stakeholders.
- Although planning continues to be an important aspect of the exercise, students are also exposed to project identification, formulation, and appraisal, financing mechanisms and institutional framework.
- Students draw from the theoretical knowledge provided in the core and elective subjects related to management, finance and governance offered in the semester and translate them in their studio exercise.
- The culmination of the exercise is in the form of group presentations and studio report.

STUDIO EXERCISE – 2 –Sector Specific Plans

The second exercise is a short and intensive exercise of one-month duration. It pertains to topical issues i.e. Sectoral analysis , property tax reforms, informal sector, development of railway land, etc. The exercise pertains to cities and emerging metropolitan cities and ranges from preparation of sustainable development plans to sector specific themes pertaining to tourism, SEZs, etc. The studio exercise enables them to develop an approach/ framework for the task; it is field based as a database is generated that is analysed and the plan and strategies are formulated. The study is based on primary surveys and students are expected to analyse the information and arrive at recommendations.


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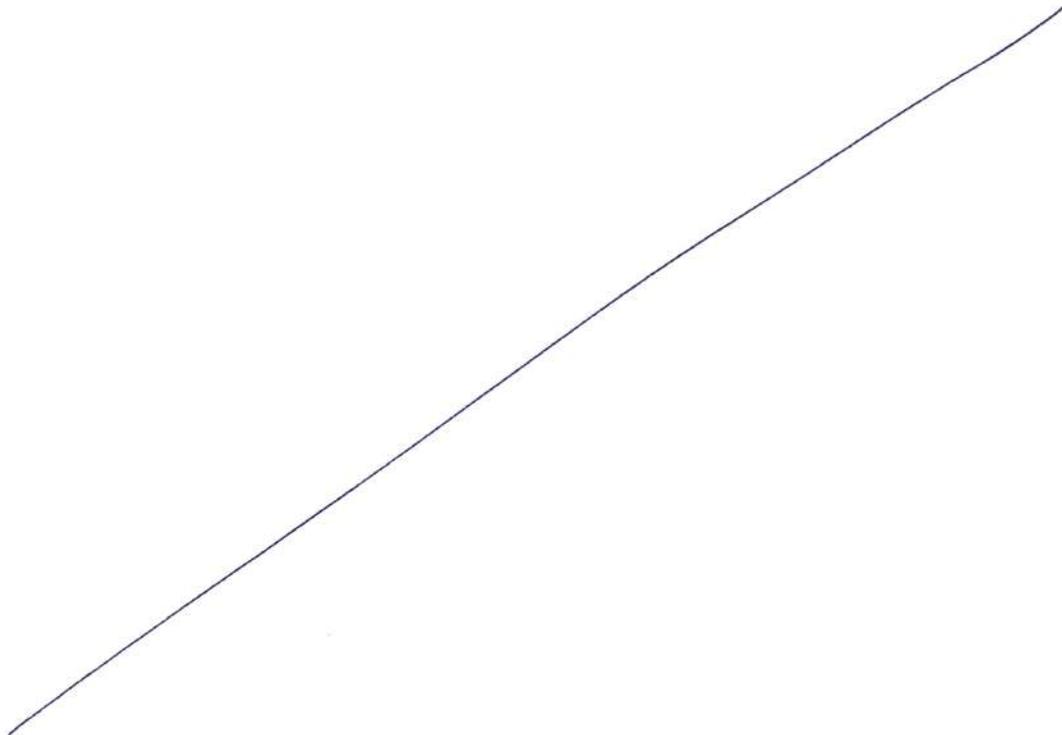

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Sr. No	Course Code	Course Area	Course Typology	Course Name	TEACHING SCHEME/ WEEK			CREDITS	EXAMINATION SCHEME							TOTAL MARKS	EXAM DURATION (HRS)	
					L	T	S		THEORY				PRACTICAL					
									Two Term Exam (10% (A1E))	Teachers Assessment (20% (A2))	End Semester/ University Exam (60% (E, S, U))	Total	Internal Assessment (50% (IA))	External Viva (50% (EV))	Total			
1	MPLN 201	PL	STUDIO	PLANNING STUDIO - II	0	0	10	10	0	0	0	0	0	0	300	300	600	600

REFERENCE READINGS

- Bureau of Indian Standards (2005) National Building Code of India, Bureau of Indian Standards, New Delhi Course Code:
- Delhi Development Authority (2007) Master Plan for Delhi, 2021, DDA, New Delhi.
- Singh V., Ahmed A., Sharma Y. (2020) Unified Building Bye-Laws for Delhi 2016, Society for Fundamental Research and Development, New Delhi.
- Ministry of Urban Development (1996) The Urban Development Plan Formulation and Implementation (UDPFI) Guidelines, Government of India, New Delhi.
- Ministry of Urban Development (2015) The Urban and Regional Development Plan Formulation and Implementation (URDPFI) Guidelines, Government of India, New Delhi.




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MPLN 202 CITY AND METROPOLITAN PLANNING

Sr. No	Course Code	Course Area	Course Typology	Course Name	TEACHING SCHEDULE/ WEEK			CREDITS	EXAMINATION SCHEME								
					L	T	S		THEORY				PRACTICAL			TOTAL MARKS	EXAM DURATION (HRS)
									Two Term Exam (20%) (MST)	Teacher Assessment (20%) (SA)	End Semester (University Exam (60%) (ESUE))	Total	Internal Assessment (30%) (IA)	External Viva (30%) (EV)	Total		
2	MPLN 202	PL	THEORY	CITY AND METROPOLITAN PLANNING	2	0	0	2	20	20	60	100	0	0	0	100	3

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; S - Studio; C - Credit; MST-Mid Sem Exam, ESUE- End Semester Examination, IA-Internal Assessment, EV - External Viva.

*Teacher Assessment shall be based following components: Quiz/Assignment/ Project/Participation in Class.

COURSE EDUCATIONAL OBJECTIVES (CEOS):

- To study the Growth of Metro and Mega Cities and their relationship with their respective Regions, and the spatial planning approaches for their planned development.
- To understand the global scenario of urbanization through research and case studies.

COURSE OUTCOMES (COS):

After completion of this course the students are expected to be able to demonstrate following knowledge, skills and attitudes.

- To understand the linkages of city zones and to address the issues in metro and mega cities.
- To understand the problems in urban development policies and to overcome them with possible solutions.
- Apply knowledge derived from various case studies to solve real-time problems.

COURSE CONTENTS :

UNIT I - 6 HRS DURATION

THEORIES OF DEVELOPMENT AND EMERGING CONCEPTS

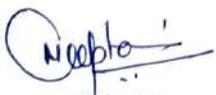
Theories of urban structure and land use- Centre place theory, urban realm model, core frame theory; New urbanism; Territorial Development Theory - Growth pole theory, urban bias critique, secondary cities and urban diffusion; Emerging Rural Urban Relationship models - urban rural linkage, expanding city, globalisation and extended metropolitan region. Desa kota model, Networked model; Territoriality of rural-urban interaction; Peri- urban Interface (PUI) case studies.

UNIT II - 6 HRS DURATION

URBAN GROWTH AND SYSTEM OF CITIES

Growth of cities scale, complexity and its impact on national development, cities as engines of growth, cities as ecosystems, resources in cities.


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					L	T	P		THEORY			PRACTICAL					
									Term I (40%)	Term II (40%)	Term III (20%)	Term I (40%)	Term II (40%)	Term III (20%)			
2	MPLN 202	PL	THEORY	CITY AND METROPOLITAN PLANNING	2	0	0	3	20	20	40	100	0	0	0	100	3

UNIT III – 8 HRS DURATION

CITY – REGION LINKAGES

City, fringe and the periphery - physical and functional linkages, peri-urban development.

UNIT IV – 6 HRS DURATION

METRO AND MEGA CITIES: PROBLEMS AND ISSUES

Growth trends and processes, characteristics, problems, concepts and concerns of urban sustainability, issues related to diversity and unintended growth, economic, social and environmental sustainability, quality of life, inclusivity and equity, climate change, transit-oriented development, participatory planning. Inner city – issues and problems, approach to development.

UNIT V – 4 HRS DURATION

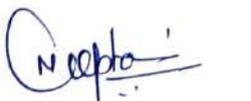
HUMAN SETTLEMENT PLANNING, URBAN DEVELOPMENT POLICIES AND PROGRAMMES

Concepts, approaches, strategies and tools; Policies and programmes at various levels, impact on metro and mega city development.

REFERENCE READINGS

- The Urban pattern: City planning & design / GALLION, A B
- Design of cities / BACON, EDMUND N
- The Image of the City / LYNCH, KEVIN
- The Building of Cities: Development and Conflict / KALSER HARVEY H
- Cities in Evolution / GEDDES, P
- City Planning: Problems and Prospects / YADAV C S
- Kennedy, K. (2007) Regional industrial policies driving peri-urban dynamics in Hyderabad, India. Cities, Vol. 24, No. 2, pp. 95-109.


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MPLN 203 LANDUSE AND TRANSPORT PLANNING

Sl. No.	Course Code	Course Area	Course Typology	Course Name	TEACHING SCHEME/WEEK			CREDITS	EXAMINATION SCHEME							TOTAL MARKS	EXAM DURATION (HRS)
					L	T	S		THEORY			PRACTICAL			Total		
									Two Term Exam (20%) (MST)	Teachers Assessment (20%) (SA)	End Semester University Exam (60%) (ESUE)	Internal Assessment (50%) (IA)	External Viva (50%) (EV)	Total			
3	MPLN 203	PL	THEORY	LANDUSE AND TRANSPORT PLANNING	2	0	0	2	20	20	60	100	0	0	0	100	3

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; S - Studio ; C - Credit; MST-Mid Sem Exam, ESUE- End Semester Examination, IA-Internal Assessment, EV - External Viva.

Teacher Assessment shall be based following components: Quiz/Assignment/ Project/Participation in Class.

COURSE EDUCATIONAL OBJECTIVES (CEOs):

- The course aims to ensure that students have a sound understanding of the key issues affecting the planning, management, and financing of public transport in developed and developing countries.
- To study the integration of transportation in land-use planning.

COURSE OUTCOMES (COS):

After completion of this course the students are expected to be able to demonstrate following knowledge, skills and attitudes.

- Characterize, describe, analyze, and propose various dimensions of transportation planning.
- Relate with experience-based understanding of planning theory and practice through exposure to concepts, methodologies, field techniques and applications.
- Integrate urban transportation and the planning process within the limits and possibilities of transportation planning.

COURSE CONTENTS :

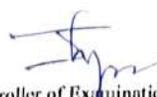
UNIT I – 4 HRS DURATION

INTRODUCTION

Role of transport, types of transport systems, evolution of transport modes, transport problems and mobility issues. Understanding Sustainable Development and Sustainable Transport; Land-Use and Transport Planning – Key Relationships; Land Use Transport Integration Models.


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					L	T	S		THEORY			PRACTICAL					
									Two Term Exam (20%) (AIST)	Teachers Assessment (20%) (SS)	End Semester Exams (60%) (E.S.E.)	Total	Internal Assessment (20%) (IA)	External Viva (20%) (EV)			Total
3	MPLN 203	PL	THEORY	LANDUSE AND TRANSPORT PLANNING	2	0	0	2	20	20	60	100	0	0	0	100	3

UNIT II – 8 HRS DURATION

TRANSPORT SYSTEM

Types and characteristics of transport systems; Determinants of transport demand; Planning norms and standards; principles of transport infrastructure planning and design of roads and intersections, street infrastructure elements; Pedestrian and cyclist infrastructure; Parking facilities; and Principles of traffic management.

UNIT III – 6 HRS DURATION

LAND USE – TRANSPORT INTEGRATION

Land use transport integration: definitions and concepts, land use transport cycle, importance of accessibility; Factors affecting land use-transport integration, and tools for land use-transport integration; Key elements of integration; Integrating land use and transport in the planning process; Institutional integration and legal mechanisms for integration.

UNIT IV – 6 HRS DURATION

TRAFFIC IMPACT ON LAND DEVELOPMENT

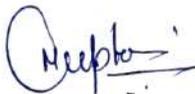
Principles of traffic impact analysis, land development attributes, traffic generation rates of different land use; Land development impact on traffic congestion on road segments, intersections and parking, impact on public transportation, pedestrian traffic and safety.

UNIT V – 6 HRS DURATION

TRANSPORT PLANNING POLICIES AND PROJECTS

Transport planning policies of central and state governments; Transit Oriented Development: Definition, concepts and key components; Principles of TOD, planning norms and standards of TOD, pre-requisites of TOD, financing of TOD projects, role of stakeholders; Golden Quadrilateral project, corridor development projects, expressway projects; Metro rail networks projects of urban and regional significance.


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					L	T	S		THEORY				PRACTICAL				
									Two Terms Exams (20% (1ST))	Teacher's Assessment (20% (5%))	End Semester or University Exams (60% (1.5 SE))	Total	Internal Assessment (20% (1A))	External Viva (20% (2V))	Total		
3	MPLN 203	PL	THEORY	LANDUSE AND TRANSPORT PLANNING	2	0	0	2	20	20	60	100	0	0	0	100	3

REFERENCE READINGS

- Kadiyali, L.R. (2017) Transport Engineering, Khanna Book Publishing Co., New Delhi.
- Saxena, S.C. (1989) A Course in Traffic Planning and Design, Dhanpat Rai and Sons, New Delhi.
- Sarkar, P.K., Maitri, V. and Joshi, G.J. (2014) Transportation Planning: Principles, Practices and Policies, Prentice Hall India Learning Private Limited, New Delhi.
- Verma, A. and Ramanayya, T.V. (2014) Public Transport Planning and Management in Developing Countries, CRC Press, Taylor and Francis Group, London/
- Traffic Engineering and Transport Planning, L.R. Kadiyali, Khanna Publications
- Transportation Engineering and Planning, Author: C. S Papacostas, P. D Prevedouros, Publisher: PHI Learning
- Principles of Urban Transport Systems Planning, B.G. Hutchinson, McGraw Hill
- Urban Transport: Planning and Management, A K Jain, APH Publishing
- Modelling Transport (2011), Juan De Dios Ortuzar, Luis G. Willumsen, Publisher: John Wiley & Sons
- Integrated Land Use and Transport Modelling, Author: Tomas De La Barra, Publisher: Cambridge University Press.
- Location, Transport and Land-Use: Modelling Spatial-Temporal Information, by Yupo Chan, Publisher: Springer


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MPLN 204 DEMOGRAPHY AND QUANTITATIVE METHODS

Sr. No.	Course Code	Course Area	Course Typology	Course Name	TEACHING SCHEME/WEEK			CREDITS	EXAMINATION SCHEME							TOTAL MARKS	EXAM DURATION (HRS)
					L	T	S		THEORY			PRACTICAL					
									Two Term Exam (10%) (MST)	Teachers Assessment (10%) (SS)	End Semester University Exam (40%) (ESUE)	Total	Internal Assessment (50%) (IA)	External Viva (50%) (EV)	Total		
					4	MPLN 204	PL		THEORY	DEMOGRAPHY AND QUANTITATIVE METHODS	2	0	0	2	20		

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; S - Studio ; C - Credit; MST-Mid Sem Exam, ESUE- End Semester Examination , IA-Internal Assessment , EV - External Viva.

*Teacher Assessment shall be based following components: Quiz/Assignment/ Project/Participation in Class.

COURSE EDUCATIONAL OBJECTIVES (CEOS):

The course aims to introduce concepts of quantitative methods of analysis at an introductory level. The emphasis is on enhancing the knowledge of planning techniques in the field of statistics, analytic techniques and report writing.

COURSE OUTCOMES (COS):

After the completion of the course the students should be able to have:

- In depth knowledge about planning techniques and assessment methods.
- Ability to develop research question worthy of informing public policy, and identify the statistical tool appropriate for answering the research question.
- To work efficiently with specific primary and secondary data inputs.

COURSE CONTENTS :

UNIT I – 6 HRS DURATION

STATISTICS I

Statistical data and method of analysis Types of Data. Designing a questionnaire, Tabulation and representation of data: Line diagram, Pie diagram, Frequency distribution, Histogram, Radar diagram. o Significance of Averaging and Variation. Calculation of Mean Median and Mode for Ungrouped and Grouped data. Merits and limitations. Variance and standard deviation of Ungrouped and Grouped data, Lorenz Curve, Skewness, Moments and Kurtosis.

UNIT II – 6 HRS DURATION

STATISTICS II

Types of Correlation, Karl Pearson's Coefficient of Correlation, Properties of Correlation Coefficient, Rank Correlation. Partial and Multiple Correlation o Introduction and difference between Correlation and Regression analysis. Linear Bivariate Regression model, Coefficient of Regression and its properties, Computation of Regression equation, Multiple Regression analysis and application.


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					L	T	P		THEORY			PRACTICAL							
									Two Term Exam (20%) (T1 & T2)	Task-based Assessment (20%) (T3)	End Semester University Exam (20%) (T4 & T5)	Final	Internal Assessment (20%) (I1)	Internal Vba (20%) (I2)	Total				
4	MPV 304	PM	INTEGRITY	DEMAND/DRIFT AND CLEAN DEVELOPMENT MECHANISM	0	0	0	0	20	20	00	000	0	0	0	0	0	100	5

UNIT III – 8 HRS DURATION

FORECASTING AND TREND ANALYSIS METHODS

Requirement and methods of forecasting system, types of time series data. Method of Trend analysis: Semi-average, Moving-average and method of Least Square. Analysis and measurement of Seasonal and Cyclical variations, Introduction to Non-linear Trends Linear programming and its application in Planning. Graphical method and Simplex Method Population Pyramid: Types and Properties. Human Sex Ratio, Dependency Ratio, Components of Population Growth: Birth and Mortality Rate, Age composition, Migration, Population forecasting method using statistical theories.

UNIT IV – 4 HRS DURATION

RESEARCH DESIGN AND IMPLEMENTATION

Approaches in research, developing a method for research; Questionnaire Design, Types of data, sampling methods; developing aims, objectives, scope, limitations; and literature research – using library, accessing the Internet.

UNIT V – 6 HRS DURATION

ANALYTICAL TECHNIQUES, PRESENTATION AND REPORT WRITING

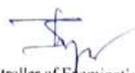
Data tabulation and interpretation, Graphical presentation of data and spatial representation of data. Types of reports with specific focus on technical report writing. Organizing the report, structure chapter organization, writing the report (analytical findings). Referencing in text, use of software in referencing.

REFERENCE READINGS

- Urban Planning: use of critical path Method / WORD, SOL A.
- Operation research : an introduction / TAHA, H H
- Principles of Operations Research, Harvey M Wagner, Prentice-Hall
- Operations Research – Principles and Application, G Srivastava, PHI Prentice-Hall
- Operations Research, Hamdy A Taha, MacMillan
- Ministry of Urban Development (2015) The Urban and Regional Development Plan Formulation and Implementation (URDPFI) Guidelines, Government of India, New Delhi


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MPLN 205 URBAN DESIGN AND HERITAGE CONSERVATION

Sr. No	Course Code	Course Area	Course Typology	Course Name	TEACHING SCHEME/ WEEK			CREDITS	EXAMINATION SCHEME								
					L	T	S		THEORY				PRACTICAL			TOTAL MARKS	EXAM DURATION (HRS)
									Two Term Exam (30%) (MST)	Teachers Assessment (20%) (SA)	End Semester University Exam (50%) (ESUE)	Total	Internal Assessment (50%) (IA)	External Viva (50%) (EV)	Total		
5	MPLN 205	PL	THEORY	URBAN DESIGN AND HERITAGE CONSERVATION	2	0	0	2	20	20	60	100	0	0	0	100	3

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; S - Studio; C - Credit; MST-Mid Sem Exam, ESUE- End Semester Examination, IA-Internal Assessment, EV - External Viva.

Teacher Assessment shall be based following components: Quiz/Assignment/ Project/Participation in Class.

COURSE EDUCATIONAL OBJECTIVES (CEOS):

The aim of the course is to develop knowledge about the growth of historic preservation, techniques of preservation, agencies and legislation involved in the process, values and objectives of preservation. Also to emphasize on the use of historic preservation planning as a strategy for community revitalization.

COURSE OUTCOMES (COS):

- After the completion of the course the students should be able to have:
1. Ability to identify the legal and legislative framework of historic preservation at the local, state and federal levels.
 2. Gathering knowledge about integration of historic preservation into land-use and principles of comprehensive planning.
 3. Knowledge about the role historic preservation plays in economic development and revitalization.

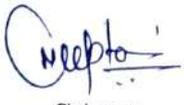
COURSE CONTENTS :

UNIT I - 6 HRS DURATION

INTRODUCTION TO URBAN HERITAGE

Typology / classification, inventories, mapping; Human habitation in historical context; Heritage as a motivating force in sustainable urban conservation and development.


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Sr. No.	Course Code	Course Area	Course Typology	Course Name	TEACHING SCHEDULE / WEEK			CREDITS	EXAMINATION SCHEME						TOTAL MARKS	EXAM DURATION (HRS)	
					L	T	S		THEORY			PRACTICAL					
									Two Term Exam (20%) (O/E)	Two hours Assessment (20%) (SS)	End Semester University Exams (60%) (E.S.E.)	Total	Internal Assessment (20%) (IA)	External Visa (20%) (E.V)			Total
5	MPLN 206	PL	THEORY	URBAN DESIGN AND HERITAGE CONSERVATION	2	0	0	2	20	20	60	100	0	0	0	100	3

UNIT II – 6 HRS DURATION

HERITAGE CONSERVATION

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. Integration of historic monuments / areas / cores / urban systems in the developmental process and land use, regulatory measures and community involvement; Intangible cultural heritage and development: issues, conservation strategies. Preparation of conservation and heritage management plans.

UNIT III – 4 HRS DURATION

PRINCIPLES OF CONSERVATION

Basic concepts of conservation values- overview and introduction; Principles for judging the conservation importance of sites, area and related typology; scope and basic technique of urban conservation; national policies and programmes.

UNIT IV – 6 HRS DURATION

DESIGN IN HUMAN HABITATION

Social / cultural / ecological / energy determinants of design; Imaginability of the city; 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.

UNIT V – 8 HRS DURATION

HERITAGE AND TOURISM, POLICIES AND PROGRAMMES, LEGISLATION

Cultural and heritage based tourism - nature, potential and prospects, marketing aspects; Acts and laws recognizing conservation / regeneration; archaeological acts/charters pertaining to conservation; Heritage toolkit; Implications of 74th Constitution Amendment Act.

Case studies on management of urban conservation of sites/ area in India and abroad.


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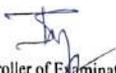
Sr. No	Course Code	Course Area	Course Typology	Course Name	TEACHING SCHEDULE/ WEEK			CREDITS	EXAMINATION SCHEME							TOTAL MARKS	EXAM DURATION (HRS)
					L	T	S		THEORY				PRACTICAL				
									Two Term Exams (20% (TET))	Teachers Assessment (20% (TA))	End Semester Understudy Exams (60% (E.S.T.))	Total	Internal Assessment (20% (IA))	Internal Viva (20% (IV))	Total		
5	MPLN 205	PL	THEORY	URBAN DESIGN AND HERITAGE CONSERVATION	2	0	0	2	20	20	60	100	0	0	0	100	3

REFERENCE READINGS

- Conservation & Planning / ALAN, DOBBY
- Compendium in town renewal and urban planning Gehl, J. Gemzoe, L. 1996
- Urban regeneration in Europe
- Designing high-density cities, edited by Edward Ng, Earthscan
- JNURM, Govt of India
- JNURM, Govt of India
- Journal of Architectural Conservation, Volume 27, Issue 3 (2021)
- HRIDAY SCHEME - Ministry of Housing and Urban Affairs
- Urban Heritage in Indian Cities,


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MPLN 206 GEO-INFORMATICS LABORATORY TRAINING

Sl. No.	Course Code	Course Area	Course Typology	Course Name	TEACHING SCHEME/WEEK			CREDITS	EXAMINATION SCHEME							TOTAL MARKS	EXAM DURATION (HRS)	
					L	T	S		THEORY				PRACTICAL					
									Two Term Exam (20%) (MST)	Teachers Assessment (20%) (SA)	End Semester University Exam (60%) (ESUE)	Total	Internal Assessment (50%) (IA)	External Viva (50%) (EV)	Total			
6	MPLN 206	PL	TUTORIAL	GEO-INFORMATICS LABORATORY TRAINING	0	0	4	4	0	0	0	0	0	100	100	200	200	

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; S - Studio ; C - Credit; MST-Mid Sem Exam, ESUE- End Semester Examination , IA-Internal Assessment , EV - External Viva.

Teacher Assessment shall be based following components: Quiz/Assignment/ Project/Participation in Class.

COURSE EDUCATIONAL OBJECTIVES (CEOS):

- To familiarize the students with concepts, processes and current issues related to management.
- The emphasis would be placed on issues and challenges related to spatial planning sectors.

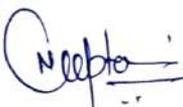
COURSE OUTCOMES (COS):

1. Ability to understand the advance concepts of GIS and its applications, know different types of data representation in GIS.
2. To produce maps and generate analysis of planning issues with the use of GIS and remote sensing.

COURSE CONTENTS : STUDIO EXERCISE

- GIS Mapping Coordinate system, Geo referencing and geo-coding; GIS data processing (Digitization, topology building and metadata creation), Data structures and modeling, GIS analysis (Buffer, proximity and overlay), Decision making through GIS, Information systems (Land Information system, Urban Information system for various activity sectors).
- GIS Applications- Network analysis, digital elevation model (DEM) and digital terrain model (DTM) Geospatial analysis, internet GIS, decision support system(DSS), automated mapping and facility management (AM/FM), open GIS overview, customization of geo information; Inputs into and integration with housing project formulation and design studio exercise.
- Topography and Landforms; Digital Change Detection; Suitability Analysis; Landuse / Landcover Analysis; Use of GIS Data Focusing on Urban and Regional Planning.


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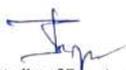
Sr. No	Course Code	Course Area	Course Typology	Course Name	TEACHING SCHEDULE/WEEK			CREDITS	EXAMINATION SCHEME						TOTAL MARKS	EXAM DURATION (HRS)	
					L	T	S		THEORY			PRACTICAL					
									Two Tests (20% QUST)	Teacher Assessment (20% (SS))	End Semester University Exam (60% (E.S.E.))	Total	Internal Assessment (10% (IA))	External Visa (80% (EV))			Total
					6	MPLN 208	PL		TUTORIAL	GEO-INFORMATION LABORATORY TRAINING	0	0	4	4			0

REFERENCE READINGS

- Advanced Surveying: Total Station, GIS and Remote Sensing, Satheesh Gopi, Pearson
- Applied Remote Sensing in Urban Planning, Governance and Sustainability, Netzbond, Springer, India
- Environmental Modelling with GIS and Remote Sensing, Andrew Skidmore et al, CRC Press
- Geographic Information Systems and Science, PA Longley et al, John Wiley and Sons Ltd.
- GIS, Spatial Analysis, and Modelling, David J Maguire et al, ESRI Press
- Landuse Change Detection using GIS, Remote Sensing and Spatial Matrices, Mesfin TBekalo et al. Lap Lambert Academic Publications
- Lans Sustainability Evaluation using GIS and Remote Sensing Technology, Mezenzi Mengist, Vdm Verlag
- Remote Sensing and GIS Integration: Theories, Methods and Applications, Qihao Weng, McGraw Hill Professional
- Remote Sensing and GIS, Basdudeb Bhatta, Oxford University Press
- Remote Sensing and Image Interpretation, Thomas M Lillesand et al, John Wiley and Sons Ltd.


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CORE ELECTIVE

Sr. No.	Course Code	Course Area	Course Typology	Course Name	TEACHING SCHEME/WEEK			CREDITS	EXAMINATION SCHEME						TOTAL MARKS	EXAM DURATION (HRS)
					L	T	S		THEORY			PRACTICAL				
									Two Term Exam (20%) (MST)	Teachers Assessment (30%) (SA)	End Semester University Exam (60%) (ESUE)	Total	Internal Assessment (50%) (IA)	External Viva (50%) (EV)		
7	MPLN 217 (A)	PL	THEORY	A. CORE ELECTIVE INCLUSIVE PLANNING												
	MPLN 217 (B)	PL	THEORY	B. PLANNING FOR TOURISM	3	1	0	4	20	20	60	100	100	0	100	200

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; S - Studio ; C - Credit; MST-Mid Sem Exam, ESUE- End Semester Examination, IA-Internal Assessment, EV - External Viva.

*Teacher Assessment shall be based following components: Quiz/Assignment/ Project/Participation in Class.

MPLN 217 A. - INCLUSIVE PLANNING

COURSE EDUCATIONAL OBJECTIVES (CEOS):

The course aims at understanding participatory planning process, policies and programmes. Focus is on how inclusive concepts have been adopted and implemented in India and the world.

COURSE OUTCOMES (COS):

- After completion of this course the students are expected to be able to demonstrate following knowledge, skills and attitudes.
- Knowledge about the importance of inclusiveness in urban planning
 - Ability to incorporate the concepts at different stages during the planning process.

COURSE CONTENTS :

UNIT I - 6 HRS DURATION

UNDERSTANDING INCLUSIVE PLANNING

Definitions and components need for Inclusive development, Understanding inclusive growth concept, theories and components; essential dimensions of inclusive planning.

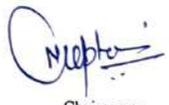
UNIT II - 6 HRS DURATION

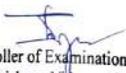
STAKEHOLDERS PROFILE AND NEEDS, ACCESS TO SHELTER, SERVICES AND LIVELIHOODS

Urban Poor, Informal Sector, Gender, Children, Elderly, Disabled, Displaced people, etc.

Slums - dimensions, causative factors, determinants, location characteristics of settlements; Informal sector - growth, characteristics, functions, economic contributions, linkages with formal sector, impact on Urban Development.


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Sr. No.	Course Code	Course Area	Course Typology	Course Name	TEACHING SCHEDULE / WEEK			CREDITS	EXAMINATION SCHEME							TOTAL MARKS	EXAM DURATION (HRS)
					L	T	S		THEORY			PRACTICAL					
									Two Term Exam (20%) (15%)	End Semester Assessment (20%) (15%)	End Semester Laboratory Exam (20%) (15%)	Total	Internal Assessment (20%) (1A)	External Viva (20%) (15%)	Total		
7	MPLN 217 (A)	PL	THEORY	A. CORE ELECTIVE INCLUSIVE PLANNING													
	MPLN 217 (B)	PL	THEORY	B. PLANNING FOR TOURISM	3	1	0	4	20	20	80	100	100	0	100	200	3

UNIT III – 6 HRS DURATION

PARTICIPATORY PLANNING PROCESS AND POLICIES, PROGRAMMES AND LEGISLATION.

Methods, role of stakeholders (including civil society organizations), etc. Related Acts, Five-year plans, policies and programmes at various levels.

UNIT IV – 6 HRS DURATION

PLANNING INTERVENTIONS

Inclusive zoning, development and building regulations, Slum Improvement.
Best Practices of Inclusive City Planning.

UNIT V – 6 HRS DURATION

PRINCIPLE OF INCLUSIVE CITY PLANNING

Inclusive city planning- Need, concept and pre-requisites, Affordable housing; resilient and sustainable urban form; social and economic development; key principles- Sustainability and Resilience, Accessibility, Diversity, Open Spaces, Compatibility, Incentives, Adaptability and Identity, Case Study.

REFERENCE READINGS

- Fifty-eight national town and country planners' congress: inclusive planning for empowering urban poor by Institute of Town Planners, India
- Inclusive growth in India by Anil Kumar Thakur, Ram Uddeshya Singh.
- Inclusive growth in globalised India: challenges and options by Gandhi, P. Jegadish Ed.
- Inclusive urban development in India by Singh, Awadhesh Kumar
- Inclusiveness in India: a strategy for growth and equality by Hirashima, Shigemochi & others Eds
- Inclusive urban planning state of the urban poor report 2013 by India, Ministry of housing and urban poverty alleviation
- Economics of development: toward inclusive growth by Naqvi, Syed Nawab Haider
- Best practice guidance for biodiversity-inclusive impact assessment: a manual for practitioners and reviewers in South Asia by Rajvanshi, Asha & others
- Creating vibrant public - private - panchayat partnership (PPPP) for inclusive growth through inclusive governance by Singh, Harsh.


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Sr. No.	Course Code	Course Area	Course Typology	Course Name	TEACHING SCHEME/WEEK			CREDITS	EXAMINATION SCHEME						TOTAL MARKS	EXAM DURATION (HRS)	
					L	T	S		THEORY			PRACTICAL					
									Two Term Exam (20% (DIST))	Teachers Assessment (20% (SS))	End Semester University Exams (60% (E SUE))	Total	Internal Assessment (50% (IA))	External Viva (50% (EV))			Total
7	MPLN 217 (A)	PL	THEORY	A. CORE ELECTIVE INCLUSIVE PLANNING	3	1	0	4	20	20	60	100	100	0	100	200	3
	MPLN 217 (B)	PL	THEORY	B. PLANNING FOR TOURISM													

MPLN 217 B - PLANNING FOR TOURISM

COURSE EDUCATIONAL OBJECTIVES (CEOs):

The aim of the course is to introduce the principles of planning for tourism in various tourism contexts and developing appropriate planning strategies and tools.

COURSE OUTCOMES (COS):

After completion of this course the students are expected to be able to demonstrate following knowledge, skills and attitudes.

- Ability to incorporate the concepts of tourism planning while making development plans.
- Knowledge of the various policies, programmes and schemes in India for tourism planning.

COURSE CONTENTS :

UNIT I – 6 HRS DURATION

INTRODUCTION TO TOURISM

- Definitions, scope, nature, classification and dimension, tourism as an industry, tourism in developed and developing world.
- Planning for Leisure and Tourism - Key Determinant; Characteristics of Tourism Sectors; Differences Between Leisure and Business Tourism.

UNIT II – 6 HRS DURATION

TYPES OF TOURISM

Cultural Tourism, Eco-Tourism, Heritage Tourism, Adventure Tourism, Religious Tourism, Leisure Destination Tourism; Characteristics of Each and Planning Implications.

UNIT III – 6 HRS DURATION

TOURISM SECTOR – IMPACTS

- Social Factors Shaping Leisure; International Tourism Trends; Factors and Impact on National Tourism Markets
- Relationship between Tourism and Urban Development.


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					L	T	N		THEORY			PRACTICAL					
									Two Term Exam (20%) (INT)	Teacher Assessment (20%) (NS)	End Semester University Exam (60%) (T.S.E.)	Total	Internal Assessment (60%) (IA)	External Viva (80%) (EV)	Total		
	MPLN 217 (A)	PL	THEORY	A. CORE ELECTIVE INCLUSIVE PLANNING													
7	MPLN 217 (B)	PL	THEORY	B. PLANNING FOR TOURISM	3	1	0	4	20	20	60	100	100	0	100	300	3

- Tourism multiplier and forecasting methods: capacity building and carrying capacity planning for tourism projects.
- Tourism and cultural and social change: Socio-cultural problems, environmental degradation.

UNIT IV – 6 HRS DURATION

PLANNING FOR TOURISM

- Nature and scope of a tourism plan- key issues and stages, data requirements, surveys, role of key players / stake holders in tourism policy and planning, sustainable tourism development planning.
- Regional Context of Tourism Locations, Circuit Identification and Destination Planning
- Tourism Infrastructure- Definition and Classification; Tourism as a Burden on Local Infrastructure
- Community planning and tourism,
- Implementation and management, role of travel and tourism promoting agencies, monitoring the tourism development.
- Tourism and Economy- Impact on Livelihoods and Local Communities
- Tourism Plans- Components, Time Frame, Actors, Cost and Revenue, Etc
- Tourism marketing - concept, techniques and strategies.

UNIT V – 6 HRS DURATION

POLICIES AND PROGRAMMES

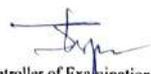
- National Policies Affecting Tourist Inflow, Role of Multiple Government Authorities and Agencies Involved in Tourism Development; Private Players in Tourism Development.

REFERENCE READINGS

- Tourism Planning: Basics, Concepts, Cases, Clare A. Gunn
- Contemporary Issues in Tourism Development, D.G. Pearce, ed, Routledge
- Cultural Tourism and Sustainable Development, L.F. Girard ed.
- Event Tourism: Critical Concept in Tourism
- Sustainable Tourism Management, John Swarbook
- Tourism and Poverty Reduction: Pathways to Prosperity, J Mitchell
- Tourism and the Less Developed World: Issues and Case Studies, David Harrison
- Tourism Infrastructure Development: Sustainable Approach, Manoj Sharma


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