

FACULTY OF ARCHITECTURE
PARUL UNIVERSITY

M. PLANNING (URBAN AND REGIONAL PLANNING)

TEACHING SCHEME

Sub. code	Subject name	Credits	Contact Hours / week			End Semester Exam Marks		Continuous Evaluation Marks			Total Marks	End Semester Examination Type
			Field Work	Lectures	Studio	T/D	V/P	J	S	I		
01201201	Urban & Regional Planning Studio – II	9	1	2	6	-	-	60	20	20	100	-
01201202	Urban & Regional Development and Management	3	1	2	-	50	-	25	15	10	100	Theory
01201203	Project Planning and Management	3	1	2	-	50	-	25	15	10	100	Theory
01201204	Urban Governance	3	1	2	-	50	-	25	15	10	100	Theory
01201205	Politics and Public Planning Policy	3	1	2	-	50	-	25	15	10	100	Theory
	Elective- III	3	-	2	1	-	50	25	15	10	100	Viva/Portfolio Assessment
01201206	Review of Six Weeks Mandatory Training during Summer Vacation after Second Semester.										100	-
	Total	24									700	

Elective- III:

01201230 - Environment, Development and Disaster Management

01201231 - Energy, Climate Change and Urban Development

FACULTY OF ARCHITECTURE

PARUL UNIVERSITY

PROPOSED SYLLABUS

SECOND YEAR M. PLANING (URBAN AND REGIONAL PLANNING) 3RD SEMESTER

SUBJECT: URBAN & REGIONAL PLANNING - II

Subject Code: 01201201

Focus:

- To undertake City based study focusing on Management and Governance.
- To understand the Concept of Region in terms of National Development.

Content:

Geo-Informatics Laboratory Training

The laboratory training will be conducted in accordance with the studio exercise. Introduction to Geo-informatics, introduction to Remote Sensing – Aerial and Satellite; introduction to GIS, Spatial data and Attribute data; Satellite images as input to GIS; Collection and presentation of baseline information

Management and Governance Plans

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.

SPATIAL DATA INFRASTRUCTURE

Concepts and Hierarchy

Spatial Data Infrastructure: Concepts, Contents, Nature and SDI hierarchy; Global, National, Regional and Local SDI initiatives. Building a SDI and using it in planning and decision making process. Open Geospatial Consortium – ISO standards (TC211). Data streaming and mining in spatial data infrastructure.

From Global to Local SDI applications

National SDI Initiatives: NRDMS: Multi-level spatial data infrastructure, NSDI: Assimilation and Dissemination and Data warehouse; State SDI: NCT Delhi SDI, Karnataka and Kerala Portals; Case studies from various levels. Karnataka's Land Management Programme: Bhoomi, geo portal assisting local to state level planning process; Gujarat's Tax programme, etc.; Application to coastal area planning – TamilNadu coast.

SDI application in Planning and Decision Support

SDI – Location based technology development, Interoperability arrangement for geospatial data and ontology mapping; Application in Population Data Sets, Natural Resource Repository, Integrated Water Resource Management, Krishi –application in agriculture and rural development, geospatial application in transportation, disaster management and conservation. Spatio-temporal data modelling and analysis; 3 - D mapping of land and its use in city and regional planning; Geo visualization of landscapes: rural and urban.

Technology in SDI and decision support system

Real time technologies and their application: landslides monitoring in Himalayan region, web based spatio-temporal prediction of landslides, decentralization planning in Uttarakhand- web based model. Satellite based and other real time technologies and their use in identifying physical transformation. Its application in urban and rural areas: slum formation, illegal colonies, flash flood warning system in river and coastal belt, etc.

DISTRICT PLANNING / REGIONAL PLANNING

The objective of this studio exercise is to expose the students in the practical ways of planning for a region (district / mega / metro Region). The students will be given a live case study to understand the complexities of planning the region, inter-sector, scalar interface, integration, etc. The focus will be to understand the scale of the problem and how to tackle them. It is expected that the approach will be mostly in terms of governance, which the students have acquired through theory subjects in second semester. It is also expected that the students after preparing the plan will present it to the stakeholders to get their viewpoint.

References:

1. 'Project Planning and Management: an integrated approach' by L.T. Goodman, Love, N. Ralph, Pergamon Press
2. 'Project Appraisal and Planning For Development Countries' by Little, IMD, Mirrlees, J.A., Heinemann Educational Books
3. 'Project Evaluation and Development' by Alexander Rougvie, Mitchell Publishing
4. 'Project Management' by S. Choudhary, Tata McGraw-Hill
5. 'The Complete Guide to Referencing and Avoiding Plagiarism' by C. Neville, McGraw-Hill International
6. 'A Student's Writing Guide: How to Plan and Write Successful Essays' by Gordon Taylor, Cambridge University Press
7. 'Social Research: Issues, Methods, and Processes' by Tim May, Open University Press
8. 'Manual of Integrated District Planning' by Planning Commission, Planning Commission
9. 'Kollam Perspective Plan' by Government of Kerala, Department of Town and Country Planning, Thiruvananthapuram

SUBJECT: URBAN & REGIONAL DEVELOPMENT AND MANAGEMENT

Subject Code: 01201202

Focus: To study the Processes and Management of Urban Planning and Development.

Content:

Introduction to Development Management

Concept, approaches, components, interfaces with national goals and political economic system.

Urban Development Management

Strategies, Tools and Techniques; organizations involved

Land and Real Estate Development

Economic concepts of land, Land Pricing / valuation; Economic principles of land use; demand forecasting for land use: factors affecting land supply and demand; Land development methods, Supply Management, Demand side Management; Real estate markets, type of property development and its impact on supply and demand, method of development, environmental considerations.

Information System and Urban Reforms

Spatial and Non - spatial information systems; Urban reforms and acts and policies

References:

1. 'Urban Livelihoods: A people – Centered Approach to Reducing Poverty' by C. Rakodi and T. L. Jones, Earthscan
2. 'The Illegal City: Space, Law and Gender in a Delhi Squatter Settlement' by A. Datta, Ashgate
3. 'Worlding Cities: Asian Experiments and the Art of Being Global' by A. Roy (Editor) and A. Ong (Editors), Wiley Blackwell

SUBJECT: PROJECT PLANNING AND MANAGEMENT

Subject Code: 01201203

Focus: To study Project Planning, Management and Implementation Techniques.

Content:

Project planning

Introduction to Projects; Nature of planning projects; Project Life Cycle; Identification of projects

Project Formulation and Appraisal

Relationship between projects and planning issues including sectoral policy at: Local, State and National levels Project appraisal: Market analysis – Macro environment survey, survey methods, market characterization, demand forecasting; Technical Analysis – Magnitude, processes, materials, equipment, factors of production availability, implementation schedule; suitability of the plans, layout and design, location of the project; location analysis; supporting infrastructure requirements- Capital Budgeting – Estimation of costing of components; developing over project cost; Social cost benefit analysis – UNIDO, Merles, ZOPP/GOPP, etc.

Project Management and Implementation, and Project Evaluation and Monitoring

Project characteristics - pitfalls in management of a project; Techniques of management; Planning milestones - responsibility charts and principle responsibility, principles of activity planning; Project Implementation – methods, hurdles, facilitative factors; Project culture: line management, steering committee, role of project manager; Project Control: cost and time, quality - ISI standards and its application to Indian context; Introduction to Project Management Software (Ms Projects) and its usage. Types of evaluation - concurrent, ex-ante and ex-post. Methods of evaluation, techniques of evaluation, end results, Presentation of evaluation findings, Techniques of Monitoring of Development Works.

Regulatory Frameworks Governing Projects

National Rehabilitation and Resettlement Policy (2007) - Social Impact mitigation; National Environmental Policy (2006) – Environmental Impact Assessment (EIA) and Environmental Management Plan (EMP)

References:

1. 'Projects' by Prasarna Chandra, McGraw Hill
2. 'Brilliant Project Management' by Barker, Stephen, and Cole, Rob, Person Education Limited
3. 'International Development Projects: Appraisal, Execution planning and Monitoring' by Joseph Martial Riberio, Presses International Polytechnique

SUBJECT: URBAN GOVERNANCE

Subject Code: 01201204

Focus: To study the Role of Government, Private Sector and the Third Sector for Governance of Cities and Regions.

Content:

Overview of Urban Governance

Definition, concepts, components, government and governance, hierarchy and structure, forms of governance, process of inclusion and exclusion,

Legislations pertaining to Urban Governance

Institutional frame and mechanism for urban governance as envisaged in the 73rd and 74th Constitution Amendment Acts.

Institutions and Organizations

Differences between institutions and organizations; approaches to understanding organizations; types, structure and functions, their interface and conflicts, reach, and their effectiveness; Methods, process and evaluation; Present organizations and involved in urban governance.

Urban Local Governance and Participatory Processes

System, structure, functions, powers, process and resource, performance, interface with NGO's, other agencies. Stakeholders' participation, roles and responsibilities, access to government by various stakeholders.

References:

1. 'Understanding Governance: Policy Networks, Governance, Reflexivity and Accountability' by R.A.W. Rhodes, Open University Press
2. 'Local Governance in India: Decentralization and Beyond' by N.G. Jayal, A. Prakash and P.K. Sharma, Oxford University Press
3. 'New Forms of Urban Governance in India: Shifts, Models, networks and Contestations' by I.S.A. Baud and J.D. Wit, SAGE

SUBJECT: POLITICS AND PUBLIC PLANNING POLICY

Subject Code: 01201205

Focus:

- To study Public Policies pertaining to City and Region.
- To understand the Two Way Relationship between Politics and Planning.

Content:

Nature and Making of Public Policy

The 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 'success' 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.

Public Policy Analysis and Strategic Policy Planning

Overview of Policy Process Models, Policy Initiation: Multi-Stream Approaches, policy implementation analysis, life-course approach to policy analysis, Case studies in Policy Process Analysis, Policy Integration: possible areas of integration in Planning; Differences between strategic planning and management in the public and private sectors, Mission statements and goal-setting techniques; Strategic decisions and evaluation, strategic leadership; Co-ordination and networks; Crisis Management; Transformational strategic Management

Public Policy Management and Delivery

How are new information and communication technologies shaping public service delivery?:

E-Governance, E-Panchayats, E-Market, etc.; Transparency, Accountability, Accessibility, and participatory mechanisms; Trends and Pressures that affect public service organizations, Market based arrangements, Multi-serviceprovider arrangements in public sector setting, and 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 commitment at the National, State and Local Level. Land Policy: Interest Groups, Acts / agents and policy making process

Interface between Politics and Planning

Social and economic context; State in India – political culture of the Indian State –Centre – State – Local political economy: 74th Constitution Amendment Act, State Finance Commissions; Emergence of the State in the federal set up.

City and the State

State as a manager of resources – property rights, norms and standards –Government market and market by Government – Regulatory State, Reforming State, and Rent Seeking State – their spatial implications; Development planning and the Indian state – Centralization, powerlessness and decentralization; spatial politics and competition; Politics of the State and bureaucracy; New State spaces, invited and contested spaces – changing role of the state.

Politics related to Planning and Development

Politics related to land, shelter, urban infrastructure, resources; Regeneration and redevelopment politics; politics of provision, financing and pricing; decision-making and decision taking.

Politics and Civil Society

Politics and emergence of civil society – NGO, CBO and their role in planning, development and management, collective bargaining and collective action

References:

1. 'Financing Urban Development in India' by KSRN Sarma, IIPA
2. 'City Politics' by A.H. Maarten, Aldershot
3. 'Government and Politics of India' by P. Sharan, Metropolitan Book
4. 'Participation of Sustainable Development: Theory and Practice in Government and NGOs' by Vettivel, K. Surendra, Vetri Publishers
5. 'The Argumentative Turn in Policy Analysis and Planning' by F. Fischer and J. Forester, Duke University Press and UCL press
6. 'Theories of Urban Planning' by D. Judge, G. Stroker and H. Wolman, SAGE
7. 'Holding Their Ground: Secure Land Tenure for the Urban Poor in Developing' by A. Lasserre Durand and L. Royston, Earthscan
8. 'Public Policy' by Parsons, Edward Elgar
9. 'Frame Reflection: Toward the Resolution of Intractable Policy Controversies' by D.A. Schon and M. Rein, Basic Books
10. 'An Introduction to the Policy Process: Theories, Concepts and Models of the Public Policy Making' by T.A. Birkland, M.E. Sharpe

SUBJECT: Elective - III

ENVIRONMENT, DEVELOPMENT AND DISASTER MANAGEMENT

Subject Code: 01201230

Focus: To study Disaster Management Practices and Mitigation Measures and their Impact on Environment and Development.

Content:

Environment, Development and Disaster Management – Interface

Resource use, exploitation and conservation; Impact of human activities on environment; Environment and economy interaction, introduction to environmental accounting

Environmental Management

Environmental Impact Assessment, thresholds, indicators, audits, environmental certification, lifecycle analysis, environment and poverty links, environmental policy, Acts and regulations; Environmental education, participatory approaches, emerging concepts. Disaster classification, concepts, hazards, vulnerability, risks, human response to disaster, impacts.

Disaster Mitigation and Management

Relevance of disaster management in development and environment, disaster preparedness, prevention, displacement and development, Role and responsibilities of government and non-government organizations, Disaster Education – awareness of individuals, communities and participation at various levels; Integrating disaster mitigation in the spatial planning process, provision of infrastructure for disaster mitigation.

Policies and Legislation Pertaining to Environment and Disaster Management

Policies and Legislation at various levels

References:

1. 'Community, Environment and Disaster Risk Management' by Rajib Shaw, Emerald Group Publishing Limited
2. 'Urban Risk Reduction: An Asian Perspective' by Rajib Shaw HariSrinivas, Anshu Sharma, Emerald Group Publishing Limited
3. 'Introduction to Disaster Management' by P.C. Sinha, Anmol Publications
4. 'Disaster Mitigation: Experiences and Reflections' by PardeepSahni, AlkaDhameja, Uma Medury, PHI Learning Pvt. Limited
5. 'Disaster Mitigation & Management Post Tsunami Perspectives' by Jegadish Gandhi P, Deep & Deep Publications Pvt Ltd.
6. 'Disaster Management Guidelines' by NDMA, NDMA
7. 'Model Amendment in Town and Country Planning Legislations, Regulation for Land Use Zoning and Building Byelaws for Structural Safety' by Ministry of Home Affairs, MHA
8. 'National Policy on Disaster Management (NDPM)' by Ministry of Home Affairs, MH

ENERGY, CHANGE AND URBAN DEVELOPMENT

Subject Code: 01201231

Focus: To study Interface between Energy, Climate Change and Urban Development.

Content:

Introduction

Energy, Climate change and Urban Development – Interface

Energy Generation and Consumption

Energy Supply and Demand, Energy Consumption in cities, determinants of energy demand, phenomenon of climate change, factors influencing climate change, impacts of climate change

Energy Planning and Management, and Mitigation and Adaptation to Climate Change

Energy efficient development, Compact city form, Transit oriented development. Mechanisms and measures for mitigating and adapting to climate change at various levels

Plans, Policies and Strategies

Related to energy planning, conservation, climate change mitigation and adaptation

References:

1. 'Climate change: an Indian perspective, New Delhi' by S.K Dash, Cambridge University Press
2. 'Compact Cities: Sustainable urban forms for Developing countries' by Jenks, Mike; Burgess, Rod, Spon Press London.
3. 'Adapting cities to climate change: understanding and addressing the development change by Bicknell, Jane, Earthscan, London
4. 'The smart Growth Manual' By Andres Duany , Jeff Speck and Mike Lydon, McGraw- hill.
5. 'Green metropolis: Why living smaller, living closer, and driving less are the keys to sustainability' by David Owen.