



**Department of Planning,
Lecture Plan, Odd Semester, AY 2024-25**

Name of Course:	Master in Transport Planning (PG)
Subject Name:	Regional Transport Planning (MTP216)
Year & Sem:	II-year, III semester
Course Duration:	July 22, 2024 to Nov 14, 2024
Course Coordinator:	Mr. SANDEEP PEEKE, Assistant Professor, Dept. of Planning, SPAV
Number of Credits:	03
Subject Category:	TC
Total Periods/Week:	03 (See Time Table for details)
Internal Assessment	50
End Evaluation	50
Total Marks	100
Total No. of Internal Assessment & Mode	Three (Internal Assessment 1 (Exam/Assignment), Mid Semester (Written Exam), Internal Assessment 2 (Exam/Assignment))

Subject Objective: To introduce regional elements in the domain of transport planning and equip students towards enhancing regional connectivity.

Week	Lecture / Session Topic (Teaching-Learning Objective aimed)	Unit and Assignment
Week 1 (23 July)	Approach to regional planning, types of regions and their characteristics, delineation of region for transport planning	Unit 1: Overview of Regional Planning
Week 2 (30 July)	Backwardness and regional disparity in development; role of connectivity and regional transport in development and backwardness.	
Week 3 (6 Aug)	Regional transport system, types, characteristics	Unit 2: Regional Transport Systems
Week 4 (13 Aug)	Regional transport supply, regional traffic and travel pattern, emerging issues.	
Week 5 (20 Aug)	Regional network system, rural road network planning,	Unit 4: Regional Network Analysis (Assignment 1)
27 August to 08 Sept (except first years)	Field Trip	
Week 7 (10 Sept)	graph theory applications- connectivity and accessibility measures.	Unit 4: Regional Network Analysis
17-21 Sept	Mid- Semester Assessment week	
Week 9 (24 Sept)	graph theory applications- connectivity and accessibility measures.	Unit 4: Regional Network Analysis



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Week 10 (1 Oct)	Regional travel demand determinant, regional demand models	Unit 3: Regional Travel Demand
Week 11 (8 Oct)	Regional accessibility, sequential travel demand models, econometric models, regional public transport demand.	
Week 12 (15 Oct)	Regional accessibility, sequential travel demand models, econometric models, regional public transport demand.	
Week 13 (22 Oct)	Special/ Guest Lecture: Urban Land Transport-Transit Oriented Development Policy	Unit 5: Regional Transport Policy (Assignment 3)
Week 14 (29 Oct)	Regional transport infrastructure, System planning imperatives, integration aspects	
Week 15 (5 Nov)	System planning imperatives, integration aspects	
Week 16 (12 Nov)	System selection, policy aspects at regional level.	

Reference books:

1. Blonk, W.A.G. (1979), Transport and Regional Development. Saxon House, Farnborough.
2. Verma A. (2010), Integrated Public Transportation System: Planning and Modelling. Vdm Publishing House, Mauritius.
3. Vinod K. T. M. (2000), Micro Regional Transport Planning / Research. School of Planning and Architecture, Delhi.
4. Starkie, David (1976), Transportation Planning Policy and Analysis (Urban and Regional Planning Series)

Note:

1. Any other closed holidays as declared by SPAV shall supersede the above lecture plan. Holidays shown above may alter as per Notice from time to time.
2. Assessment Sessions may be re-scheduled, with prior intimation.
3. Reading lists provided is not exhaustive and is subject to addition – students are advised to follow progression of class to keep abreast of the new reading lists, if any.