

**School of Planning and Architecture, Vijayawada**  
**Department of Planning,**  
**Lecture Plan**

**Name of Course:** Transport Economics (MTP 126)

Programme & Sem: MTP – I Year II Sem  
 Course Duration: 04<sup>th</sup> January 2024 – 19<sup>th</sup> April 2024  
 Course Coordinator: Dr. Arpan Paul Singh  
 Number of Credits: 3  
 Subject Category: **Theory**  
 Total Periods/Week: 3  
 Internal Assessment: 50 (minimum pass marks 50%)  
 End Evaluation: 50 (minimum pass marks 50%) – Written Exam.  
 Total Marks: 100 (to be converted to CGPA credit pattern as per regulations)

**Subject Objective:** To impart basic understanding associated with transport and infrastructure

	Academic Week		Work Description	Session Mode	References
Week 1	04-Jan	05-Jan	Introduction to transport economics, overview of basic components of transport, transport and economic development, transport and urban development.	Lecture	1. Dash, L. N, Economics of Infrastructure: Growth and Development
Week 2	08-Jan	12-Jan	Demand for transport; Factors influencing transport demand; Elasticity of demand, measures of elasticity	Lecture	1. P. Mccarthy, Transportation Economics 2. Dash, L. N, Economics of Infrastructure: Growth and Development
Week 3	15-Jan	19-Jan	Supply and demand forecasting for transport	Lecture	1. P. Mccarthy, Transportation Economics
Week 4	22-Jan	26-Jan	Direct and external costs of transport, concept of generalized costs, social aspects of transport, joint and common costs of infrastructure,	Lecture	1. Picot A, Florio M, The economics of infrastructure provisioning 2. P. Mccarthy, Transportation Economics
Week 5	29-Jan	02-Feb	Cost Allocation, Pricing principles, the marginal cost pricing rule, efficient pricing, cost complexities and cost recovery, peak-load pricing	Lecture	1. Picot A, Florio M, The economics of infrastructure provisioning 2. P. Mccarthy, Transportation Economics
Week 6	05-Feb	09-Feb	<b>Internal Review – I – 10 Marks</b>	MCQ based Test	
Week 7	12-Feb	16-Feb	Transport subsidies, price discrimination	Lecture	1. Picot A, Florio M, The economics of infrastructure provisioning 2. P. Mccarthy, Transportation Economics
Week 8	19-Feb	23-Feb	Basic principles of appraisal; Feasibility and evaluation, cost, impacts and performance levels, evaluation of alternatives, analysis techniques,	Lecture	1. Prasanna Chandra, Project Planning and Management 2. P. Mccarthy, Transportation Economics

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	Academic Week		Work Description	Session Mode	References
Week 9	26-Feb	01-Mar	<b>Mid- Sem Exams – 20 Marks</b>		
Week 10	04-Mar	08-Mar	Cost benefit analysis; social and financial benefits, valuation of time, measures of land value and consumer benefits from transportation projects	Lecture	1. Prasanna Chandra, Project Planning and Management 2. P. Mccarthy, Transportation Economics
Week 11	11-Mar	15-Mar	Theories of Regulation, Command and control type of regulation, fiscal measures such as road pricing and environmental taxation	Lecture	1. K. J. Button, Transportation Economics
Week 12	18-Mar	22-Mar	Priorities in infrastructure policies, Priorities in transport policies, Service level Benchmarks	Lecture	1. Dash, L. N, Economics of Infrastructure: Growth and Development
Week 13	25-Mar	29-Mar	Transport costing and financing sources, pricing principles, cost recovery pricing, deficits;	Lecture	1. Dash, L. N, Economics of Infrastructure: Growth and Development
Week 14	01-Apr	05-Apr	Financial capital investment, capital market/debt, Alternative Financing Mechanisms, Multilateral and Bilateral Financing mechanism,	Lecture	1. Prassas, ESRP, Engineering Economics and Finance for transportation 2. K. J. Button, Transportation Economics
Week 15	08-Apr	12-Apr	<b>Internal Review – II - 20 Marks</b>	MCQ based Test	
Week 16	15-Apr	19-Apr	Financial Institutions, Private sector participation, land as a resource, public private partnership	Lecture	1. Prassas, ESRP, Engineering Economics and Finance for transportation 2. K. J. Button, Transportation Economics

**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.