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

Name of Course: **Environmental Economics (MEPM 125)**

Programme & Sem:	MEPM – I Year II Sem
Course Duration:	04th January 2024 – 19th 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 introduce theoretical base to apply economic concepts to environmental issues

	Academic Week		Work Description	Session Mode	References
Week 1	04-Jan	05-Jan	Introduction to Environmental economics, Fundamental issues in the economic approach to resource and environmental issues	Lecture	1. Environmental Economics, Bhattacharya Rabindranath 2. White & Hanley, Introduction to Environmental Economics
Week 2	08-Jan	12-Jan	Poverty, Environment and Economic Growth Linkages- Environmental Kuznets Curve	Lecture	1. White & Hanley, Introduction to Environmental Economics
Week 3	15-Jan	19-Jan	Environmental Values and Non-market Valuations: Revealed Preference Methods -1	Lecture	1. Champ & Brown, A primer on non-market evaluation 2. White & Hanley, Introduction to Environmental Economics
Week 4	22-Jan	26-Jan	Environmental Values and Non-market Valuations: Revealed Preference Methods - 2	Lecture	1. Champ & Brown, A primer on non-market evaluation 2. White & Hanley, Introduction to Environmental Economics
Week 5	29-Jan	02-Feb	Environmental Values and Non-market Valuations: Stated Preference Methods	Lecture	1. Champ & Brown, A primer on non-market evaluation 2. White & Hanley, Introduction to Environmental Economics
Week 6	05-Feb	09-Feb	**Internal Review – I – 10 Marks**	MCQ based Test	
Week 7	12-Feb	16-Feb	Optimality, Threshold values of consumption, Consumers and Producers Surplus, Optimal Provision of public Goods,	Lecture	1. White & Hanley, Introduction to Environmental Economics 2. Pearce & Turner, Economic of Environment and Natural resources

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	Academic Week		Work Description	Session Mode	References
Week 8	19-Feb	23-Feb	Pricing Mechanism of Exhaustible resources: Consumption patterns, Measuring GDP, Fiscal deficits	Lecture	1. White & Hanley, Introduction to Environmental Economics 2. Kolstaad CD, Intermediate Environmental Economics
Week 9	26-Feb	01-Mar	**Mid- Sem Exams - 20 Marks**		
Week 10	04-Mar	08-Mar	Pricing Mechanism of Exhaustible resources: stock estimations, steady states, optimization and maximization problem	Lecture	1. White & Hanley, Introduction to Environmental Economics 2. Kolstaad CD, Intermediate Environmental Economics
Week 11	11-Mar	15-Mar	Pricing Mechanism of Renewable resources: Principles and theories	Lecture	1. White & Hanley, Introduction to Environmental Economics 2. Kolstaad CD, Intermediate Environmental Economics
Week 12	18-Mar	22-Mar	Pricing Mechanism of Renewable resources: stock estimations, valuations and price dynamics	Lecture	1. White & Hanley, Introduction to Environmental Economics 2. Kolstaad CD, Intermediate Environmental Economics
Week 13	25-Mar	29-Mar	Environmental Sustainability; Environmental Performance Index; Benefit-cost Analysis	Lecture	1. OECD (2018), Cost Benefit Analysis and Environment
Week 14	01-Apr	05-Apr	Waste, types of wastes, calorific values of waste, concept of 3R, Waste as tool for municipal revenue	Lecture	1. World Energy Council (2019), Waste to Energy 2. Gary Young, Municipal waste to Energy: Economic, Technical and renewable comparisons
Week 15	08-Apr	12-Apr	**Internal Review – II – 20 Marks**	MCQ based Test	
Week 16	15-Apr	19-Apr	Energy and economic development, circular economy, waste as a source of energy	Lecture	1. World Energy Council (2019), Waste to Energy 2. Gary Young, Municipal waste to Energy: Economic, Technical and renewable comparisons

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.