Programme	**MA Economics**				
Course Code	ECO07E501				
Course Title	**Sustainable Development**				
Type of Course	Open Elective				
Semester	VII				
Academic Level	500 – 599				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours
	4	3	-	2	75
Pre- requisites	Awareness on Environment versus Development Discourse.				
Course Summary	This Course intends to provide the foundations of sustainable development and an alternative perception to the economic development policies and action.				

COURSE OUTCOMES (COs):

CO	CO Statement	Cognitive Level*	Knowledge Category#	Evaluation Tools used
CO1	To explore the Environment versus Development Discourse and create environment consciousness.	U	C	Instructor-created exams/ Assignment/ Group Discussion
CO2	To understand the concept of environmental economics and Sustainable Development.	U	C	Assignments / Quiz/ Instructor-created exams
CO3	To evaluate the various approaches used to analyze Sustainable Development.	E	P	Group Discussion/ Seminar/ Instructor-created exams
CO4	To evaluate the formal interventions for Sustainable Development.	Ap	P	Group Discussion/ Instructor-created exams
CO5	To discern the nexus between People, Planet, and Profits and; the Sustainability of Capitalism	An	P	Group Discussion / Instructor-created exams
CO6	To explore the existing interventions in the neighbourhood for Sustainable Development and generation of ideas about new ways of enhancing sustainability.	E	P	Group Discussion / Practical Assignment/ Viva Voce/ Seminar

* - Remember (R), Understand (U), Apply (Ap), Analyse (An), Evaluate (E), Create (C)

- Factual Knowledge(F) Conceptual Knowledge (C) Procedural Knowledge (P) Metacognitive Knowledge (M)

DETAILED SYLLABUS:

Module	Unit	Content	Hours	Marks
I		**INTRODUCTION TO SUSTAINABLE DEVELOPMENT**	**14**	**12**
	1	Origin, Nature and Scope of Sustainable Development and Shallow Ecology and Deep Ecology	2	
	2	Development Vs Environment - Shallow Vs Deep Ecology	1	
	3	Brundtland Commission Report	1	
	4	Club of Rome	1	
	5	Tragedy of the commons	1	
	6	Material Balance Model	2	
	7	Coase Theorem	2	
	8	Environmental Kuznets Curve	1	
	9	Sustainable Development Vs Human Development	2	
	10	Growth within Planetary Boundaries	1	
II		**SUSTAINABLE DEVELOPMENT – APPROACHES AND MEASUREMENT**	**16**	**13**
	11	Biodiversity and Natural Capital	2	
	12	Economic, Socio-political and Ecological aspects of Sustainability	3	
	13	Maximum Sustainable Yield – Case of Fishing and Agriculture	3	
	14	Approaches to Sustainable Development - Capital Approach & Ecological Approach	2	
	15	Sustainability Criteria - Hicksian & Hartwick Solow	2	
	16	Green Accounting	1	
	17	Material Footprint and Carbon Footprint	2	
	18	Planetary Pressures adjusted Human Development Index	1	
III		**INTERVENTIONS FOR SUSTAINABLE DEVELOPMENT**	**16**	**13**
	19	Green Parties	2	
	20	Global Pollutants and International Environmental Agreements	2	
	21	Agenda 21, Climate Change and Global Agreements	2	
	22	From MDGs to SDGs	3	
	23	SDGs - Global and Indian context – Tracking the progress	3	
	24	Conference of Parties (COP)	2	
	25	Threats to Sustainable Development	2	
IV		**SUSTAINABILITY OF CAPITALISM**	**14**	**12**
	26	Triple Bottom Line Approach (3BL) - People, Planet, and Profits	2	
	27	Shareholders to Stakeholders	2	
	28	Product Life Cycles	2	
	29	Sustainable Consumption and Production, Oslo Convention and Circular economy	2	
	30	Sustainability Pathways - The 7 R's	3	

	31	Corporate Social Responsibility (CSR) - Discussion of case studies	3	
V	**INTERVENTIONS FOR SUSTAINABLE DEVELOPMENT (Evidences from the Field)**		**15**	**0**
	32	Best Practices – the case of Cochin International Airport Ltd.		
	33	Initiatives of LSG		
	34	Sustainable Development Agents – Case Study/ Interview		
	35	Book Review		

REFERENCES:

1. Roorda, N. (2020), *Fundamentals of Sustainable Development* (3rd ed.). Routledge.
2. Benton, Lisa (2023), *Sustainability and Sustainable Development: An Introduction*, Rawman and Little Field Publishers.
3. Charles D Kolstad, (2010), *Intermediate environmental economics*,2nd ed. Oxford University Press.

ADDITIONAL READINGS

1. Debraj Ray, *Development Economics*, Oxford University Press, 2009
2. A.P. Thirlwall, *Growth and Development*, 8th Edition, Palgrave, macmillan.
3. Todaro and Smith, *Economic Development*, Pearson Education India; 10th edition 2011.
4. Joseph Stiglitz, Amartya Sen, & Jean Paul Fitoussi (2009), *The Measurement of Economic Performance and social progress revisited*: Reflections and Overview, https://www.ofce.sciences-po.fr/pdf/dtravail/WP2009-33.pdf
5. Singh, Katar and Shishodia, Anil (2007), *Environmental Economics: Theory and Applications*, Sage

MAPPING OF COs WITH PSOs:

	PSO1	**PSO2**	**PSO3**	**PSO4**	**PSO5**	**PSO6**	**PSO7**	**PSO8**	**PSO9**
CO 1	1	-	-	2	-	-	-	-	-
CO 2	2	-	-	-	-	-	-	-	-
CO 3	1	-	-	3	-	-	-	-	-
CO 4	-	2	-	2	-	-	3	-	-
CO 5	-	2	-	2	-	-	3	-	-
CO 6	-	2	-	2	-	-	3	2	3

CORRELATION LEVELS:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

ASSESSMENT RUBRICS

- Internal Exam (25%)
- Assignment/ Practical Assignment (10%)
- Viva (10%)
- Attendance (5%)
- Final Exam (50%)
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MAPPING OF COs TO ASSESSMENT RUBRICS:

	Internal Exam	Quiz / Assignment/ Viva Voce/ Discussion / Seminar	Practical Assignment	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓	✓		✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓
CO 5	✓	✓	✓	✓
CO 6		✓	✓	