



### University of Kerala

Discipline	ECONOMICS				
Course Code	UK1MDCECO101				
Course Title	SUSTAINABLE DEVELOPMENT				
Type of Course	MDC				
Semester	I				
Academic Level	100-199				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours/Week
	3	3 hours	-	-	3
Pre-requisites	Understanding of basic principles of Economics				
Course Summary	Typically covers a broad range of topics aimed at understanding the interplay between environmental, social, and economic factors to promote long-term well-being and prosperity for current and future generations.				



## Detailed Syllabus:

Module	Unit	Content	Hrs
<b>I</b>	<b>Sustainable Development- An Overview</b>		<b>12</b>
	1	Sustainable Development: Definitions, Objectives and Principles	
	2	Indicators of sustainable development	
	3	Approaches and Strategies for Sustainable Development; MDG to SDGs – criticism; Degrowth, slowing, overheating ( <i>Concept Only</i> ) - Mickey mouse economics to Doughnut economics ( <i>Concept Only</i> )	
<b>II</b>	<b>Sustainable Development Goals</b>		<b>10</b>
	5	Sustainable Development Policies and Programmes: The proposal for SDGs at Rio+20; Illustrative SDGs; Goals, Targets and Indicators	
	6	Government and the SDGs: Planning, localising the SDGs ( <i>need for localisation and incorporating community participation like SHGs</i> ), Policy instruments ( <i>Regulatory, Institutional, Economic, Informational instruments for SDG implementation</i> ).	
	7	Industrial policies and the SDGs- Financing the SDGs; Types of financing, new financing mechanisms, and global funds, Goal-based Development. Principles of Good Governance ( <i>brief idea of principles like participation, transparency, accountability etc.</i> )	
<b>III</b>	<b>SDG-Issues and challenges</b>		<b>8</b>
	8	Issues and threats in the attainment of SDGs: Climate Change and sustainability, demographic imbalances, income inequality, jobless growth, loss of biodiversity	
	9	Global and National Level Initiatives for Sustainable Development (Examples)	
	10	Measurement of Sustainable Development – National Income Accounting ( <i>Definition of National Income, GDP and GNP, the need for environmental element in NI accounting</i> ) and Green GDP ( <i>Definition, Challenges and examples of green GDP</i> )	
<b>IV</b>	<b>SDG for the future</b>		<b>6</b>
	11	Agenda for Future Global Sustainable Development: Role of developed countries in the sustainable development of developing countries, Demographic dynamics and sustainability ( <i>population growth, urbanization, migration and role in sustainable development briefly</i> ), Integrated approach for resource protection and management ( <i>mention some practical examples like water management, urbanization and infrastructure development</i> )	



V	Outreach activities designed by the Tutor		9
	12	Guideline for visit and reporting (i) visit to a local recycling centre, or (ii) assess the wisdom of the local community through group visits	

### Reading list

1. Peter P. Rogers and Malin Falkenmark (2007), The Sustainable Development Goals: A Blueprint for Sustainability in the 21st Century, earthscan from Routledge.
2. Editors Okechukwu Ukaga, Chris Maser et al, (2019), Sustainable Development: Principles, Frameworks, and Case Studies (Social-Environmental Sustainability), CRC Press.
3. Transforming our World: The 2030 Agenda for Sustainable Development available at <https://sustainabledevelopment.un.org/post2015/transformingourworld/publication>
4. "The Future We Want: Radical Ideas for the New Century" edited by Sarah Leonard and Bhaskar Sunkara:
5. "The Sustainable Development Goals: An Interdisciplinary Perspective" edited by William M. Lafferty and James Meadowcroft:
6. "Localizing the Sustainable Development Goals: From Agenda 2030 to Urban Action" edited by David Simon and Michele Acuto.
7. 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>
8. Jonathan M. Harris and Brian Roach (2017): Environmental and Natural resource Economics: A Contemporary Approach, 4th Edition, Routledge.
9. Development, Poverty, and the Environment (T), Chapter 20 & FAO's, Global Information & Early Warning System at <http://www.fao.org/giews/english/index>.

### Course Outcomes

No.	Upon completion of the course, the graduate will be able to	Cognitive Level	PSO addressed
CO-1	Understand Sustainable Development Goals and related concepts	R, U	PSO-1
CO-2	Recall key concepts and evaluate ethical, cultural, and global issues to create appropriate responses.	R, U, Ap, An, E, C	PSO-6,3



CO-3	Apply critical thinking skills to real-world contexts and evaluate solutions to sustainability challenges.	R, U, Ap, An, E, C	PSO-1,4
CO-4	Apply and analyse sustainable practices to create effective, practical solutions for real-world challenges.	R, U, Ap, An, E, C	PSO-6,5
CO-5	Assess the wisdom of the local community through group visits	R, U, Ap, An, E, C	PSO-6

**R-Remember, U-Understand, Ap-Apply, An-Analyze, E-Evaluate, C-Create**

**Name of the Course: Credits: 4:0:0 (Lecture: Tutorial: Practical)**

CO No.	CO	PO/ PSO	Cognitive Level	Knowledge Category	Lecture (L)/ Tutorial (T)	Practical (P)
CO-1	Understand Sustainable Development Goals and related concepts	PO-1, PSO-1	R, U	C	L	-
CO-2	Recall key concepts and evaluate ethical, cultural, and global issues to create appropriate responses.	PO-2,3, PSO-3,6,	R, U, Ap, An, E, C	F, C	L	-
CO-3	Apply critical thinking skills to real-world contexts and evaluate solutions to sustainability challenges.	PO-1,5, PSO-1,4	R, U, Ap, An, E, C	F, C	L	-
CO-4	Apply and analyse sustainable practices to create effective, practical solutions for real-world challenges.	PO-3, PSO-6,5	R, U, Ap, An, E, C	P, M	L	-
CO-5	Assess the wisdom of the local community through group visits	PO-2, PSO-6	R, U, Ap, An, E, C	C, P	L/T	-

F-Factual, C- Conceptual, P-Procedural, M-Metacognitive

### Mapping of COs with PSOs and POs:

CO No.	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	Average
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CO1	3	-	1	1	-	-	3	2	-	1	-	2	-	3	2
CO2	-	-	2	2	1	2	2	2	3	1	-	1	2	3	1.91
CO3	3	-	1	3	1	2	3	2	2	-	1	2	2	2	2
CO4	2	-	-	3	3	2	2	2	3	1	1	3	2	2	2.17
CO5	-	-	-	1	2	3	1	3	1	-	-	2	2	3	2
Average	2.67	0	1.33	2	1.75	2.25	2.2	2.2	2.25	1	1	2	2	2.6	

**Correlation Levels:**

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

**Assessment Rubrics:**

- Quiz / Assignment/ Quiz/ Discussion / Seminar
- Midterm Exam
- Programming Assignments
- Final Exam

**Mapping of COs to Assessment Rubrics:**

CO No.	Internal Exam	Assignment	Project Evaluation	End Semester Exam
CO1	✓	✓	-	✓
CO2	✓	✓	✓	✓
CO3	✓	✓	✓	✓
CO4	✓	✓	✓	✓
CO5	-	✓	✓	-



**SEMESTER II**

<b>Discipline Specific Core</b>				
2	UK2DSCECO100	Tools for Economic Analysis	DSC	100-199
	UK2DSCECO101	Fundamentals of Macroeconomics	DSC	100-199
	UK2DSCECO102	International Political Economy	DSC	100-199
	UK2DSCECO103	Managerial Economics	DSC	100-199
	UK2DSCECO104	Industrial Economics	DSC	100-199
	UK2DSCECO105	Economic History of India	DSC	100-199
<b>Multi-Disciplinary Course (can select one)</b>				
2	UK2MDCECO100	Global Economic Issues	MDC	100-199
	UK2MDCECO101	Survey Techniques in Social Sciences	MDC	100-199

