

<b>Course title:</b> Concepts and Theories of Development				
<b>Course code:</b> NRC 105		<b>No. of credits:</b> 3	<b>L-T-P:</b> 38-4-0	<b>Learning hours:</b> 42
<b>Pre-requisite course code and title (if any):</b>				
<b>Department:</b> Energy and Environment				
<b>Course coordinator(s):</b>			<b>Course instructor(s):</b> Dr Swarup Dutta	
<b>Contact details:</b> swarup.dutta@terisas.ac.in				
<b>Course type:</b> Core		<b>Course offered in:</b> Semester 1		
<b>Course description</b> This course will cover development theories indicating various ways in which social and economic factors impact upon the environment and are linked to climate change and other intertwined issues. The first and second part of the course will provide a broader understanding of the concepts development and various development theories. This will provide a critical assessment of conservative forms of development models and indicate required changes in values and perspectives with respect to problems of climate change and related issues.				
<b>Course objectives</b> The course aims (1) to provide an understanding of development theories (2) in highlighting the complexities of development processes (3) to get an understanding of sustainable development. 4) to get an idea of new theoretical development in the field of climate change and development				
<b>Course content</b>				
<b>Module</b>	<b>Topic</b>	<b>L</b>	<b>T</b>	<b>P</b>
1.	<b>Introductory Session:</b> – Conceptualization of Development	1		
2.	<b>Overview of development;</b> – Globalisation and the structural adjustments; – Governance and welfare state; – Agency and the development triad;	14		
3.	<b>Various Development Theories</b> – Modernization theory – Dependency theory – Neoliberalism – Human Development – Alternative and Post development theory	13	4	
4.	<b>Concept of Sustainable Development</b> – Definitions & Principles of Sustainable Development – Changing perception of development – Sustainable Development Goals (SDGs)	4		
5.	<b>Human-Environment Interaction</b> – Culture and Environment (Environmental Determinism, Cultural Ecology and Political Ecology)	4		
6.	<b>Some emerging theoretical aspects</b> – Climate Change and the concept of Anthropocene as a critique of industrial technology based development models	2		
	<b>Total</b>	<b>38</b>	<b>4</b>	<b>0</b>

**Evaluation criteria**

Course grades will be based on the following criteria:

- Individual Assignment 1: 20 %
- Group work: 20 %
- Test 3: 60 %

**Learning outcomes**

Upon completion of the course, students would be able to:

- Get proper understanding of Sustainable Development and related issues
- recognize the issues related to man-environment interactions and various established theoretical perspective
- discuss environmental problems from an social perspective
- apply theoretical knowledge into practice while dealing with contemporary environmental problems

**Pedagogical approach**

Class sessions will entail a lecture component, combined with discussion of assigned readings. Students would be required to participate in two workshops, for which they would be assigned to read 2-3 articles / research papers. Students would have to write short (1-2 pages) summary / critical remarks on the articles, which would be evaluated by the instructor.

**Materials****Suggested Readings**

1. Adger, W.N. & Kelly, P.M. (1999). Social vulnerability to climate change and the architecture of entitlements. *Mitigation and Adaptation Strategies for Global Change*, 4(3-4): pp. 253-266
2. Alwang, J., Siegel, P.B. & Jorgensen, S.L. (2001). Vulnerability: a view from different disciplines. *Social Protection Discussion Paper No. 0015*. The World Bank: Washington, D.C. [Available at: [www.worldbank.org/sp](http://www.worldbank.org/sp)].
3. Batterbury, S.P.J. & Fernando, J.L. (2005). Rescaling governance and the impacts of political and environmental decentralization: an introduction. *World Development*, 34(11): pp. 1851—1863.
4. Braun, Bruce (2015). From critique to experiment? Rethinking political ecology for the Anthropocene, in *The Routledge Handbook of Political Ecology* edited Tom Perreault, Gavin Bridge James McCarthy, Routledge UK, pp. 102-114
5. Bryant, R. & Bailey, S. (1997). *Third World Political Ecology*. London: Routledge. Introduction & Chapter 1: pp. 1-26.
6. Crutzen, P.J. & E.F. Stoemer ( 2000) " The Anthropocene" *Global Change Newsletter* 41:17-18
7. Ehlers, Eckhart; Moss, C; Krafft Thomas ( 2006) *Earth System Science in the Anthropocene: Emerging Issues and problems*, Springer Science + Business Media,
8. Forsyth, T. (2003). *Critical Political Ecology*. London: Routledge. Chapter 7: pp. 168-201.
9. Gadgil, M and Vartak, V.D. 2004. The Sacred Uses of Nature. In Ramachandra Guha (ed.). *Social Ecology*. New Delhi: Oxford University Press. Pp. 82-89
10. Hannigan, John. (2006) *Environmental Sociology*, Routledge UK
11. Liverman, Diana (2015) *Reading climate change and climate governance as political*

ecologies, in *The Routledge Handbook of Political Ecology* edited Tom Perreault, Gavin Bridge James McCarthy, Routledge UK, pp. 303-319.

12. Robbins, Paul; (2012) *Political Ecology: A Critical Introduction*, John Wiley & Sons
13. Sutton, M and Anderson, E.N. 2004, *An Introduction to Cultural Ecology*, New York: Altamira Press.
14. Scott, J.C. (1986). Everyday forms of peasant resistance. *Journal of Peasant Studies*, 13(2): pp. 5-35.
15. Zalasiewicz, Jan et al(2008) "Are We Now living in the Anthropocene" *GSA Today*18(2):4-8

**Additional information (if any)**

**Student responsibilities**

The students are expected to submit assignments in time and come prepared with readings when provided.

**Course Reviewers**

The course is reviewed by the following experts.

1. Professor Subhadra Channa, University of Delhi, Delhi.
2. Dr Ragini Sahay, Associate Professor, Galgotia College of Engineering and Technology, Greater Noida, UP.