

INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI
PROFORMA FOR NEW COURSE

1.	Title of the Course	Economics of Climate Change
2.	Course Number	HS7202
3.	Status of the Course	Elective
4.	Structure of Credits	3-0-0-3
5.	Offered to	PG
6.	New Course/ Modification to	New course
7.	To be offered by	Dr. Chandra Sekhar Bahinipati
8.	To take effect from	January 2018
9.	Prerequisite	Nil
10.	Whether approved by the Program	Yes
11.	<p>Course Objective (Max 70 words): The objective of this course is to provide students with a strong foundation on the economics of climate change and also to enable them to understand key concepts in climate change adaptation, vulnerability and mitigation.</p>	
12.	<p>Course Content (Max 100 words): Introduction to Climate Change; Brief overview of impact of climate change (sectoral, regional and global) Climate change adaptation – impact and vulnerability assessment, economics of adaptation, measurement of adaptation cost, adaptation fund; mitigation – environmental policy instruments, decisions under risk and uncertainty, stock pollutants and discounting, Nordhaus vs. Stern; Trade-off between adaptation and mitigation; vulnerability (measurement techniques) and loss and damage International cooperation and climate policy: International treaties (Rio and beyond), adaptation fund, India’s position in Climate Negotiation, Inter- and intra-generational equity</p>	
13.	<p>Text Book(s):</p> <ol style="list-style-type: none"> 1. Stern, N. <i>The Economics of Climate Change-The Stern Review</i>, Cambridge University Press, 2006. 2. Toman, M.A., Chakravorty, U., and Gupta, S. <i>India and Global Climate Change: Perspectives on Economics and Policy from a Developing Country</i>, RFF Press, 2003. 	
14.	<p>Reference(s):</p> <ol style="list-style-type: none"> 1. Nordhaus, W.D. <i>Managing the Global Commons: The Economics of Climate Change</i>, MIT Press, 1994. 2. Nordhaus, W., and Boyer, J. <i>Warming the World: Economic Models of Global Warming</i>, MIT Press, 2003. 3. Nordhaus, W. <i>A Question of Balance: Weighing the Options on Global Warming Policies</i>, Yale University Press, New Haven, 2008. 	