

Course title: Energy and Sustainable Development			
Course code: PPS 155	No. of credits: 2	L-T-P: 28-02-00	Learning hours: 30
Pre-requisite course code and title (if any): None			
Department: Department of Policy & Management Studies			
Course coordinator(s): Dr. Gopal K. Sarangi		Course instructor(s): Dr. Gopal K. Sarangi, Dr. Sapan Thapar	
Contact details: gopal.sarangi@terisas.ac.in			
Course type: Core		Course offered in: 2 nd Semester	
Course description Energy policies are vital for achieving sustainable development as they directly impact environmental sustainability, economic prosperity, and social equity. Energy is at the centre of achieving both the climate and the sustainable development goals that the world has committed to. At the same time ensuring its availability, efficient use and access is critically important to the growth and development of any country. The course is designed to enable the student to understand the challenges of understanding energy security, its complex interactions with the economy and society as well as the tools available to assess impact on multiple, often competing goals.			
Learning objectives: The objective of the course is to sensitize the student to the role of energy in society, the multiple means of meeting energy service demands, global energy linkages, emerging scenarios of vulnerability and the instruments and tools available for effective energy policy formulation. At the end of the course, the student will have an enhanced understanding of the need for an integrated energy policy and the impact of alternative policies on the energy security of a country and its populace. By the end of the course, the students will be able to: <ul style="list-style-type: none"> ○ frame issues from a public policy energy and sustainability perspective ○ create a matrix of cross-sectoral issues and linkages ○ assess unintended outcomes and risks ○ assess Policy implementation challenges ○ have an understanding of path dependencies 			
Evaluation criteria: Course grades will be based on the following criteria: <ul style="list-style-type: none"> ● Minor Test-1: Short-Answer Type Questions/Quizzes/MCQs (20%) ● Minor Test-2: Case Study Presentation on select cases based on Module-4 (30%) ● Major Test: Written Test/Term Paper Submission & Presentation (50%) 			
Learning outcomes Upon completion of this course, candidates will be: <ol style="list-style-type: none"> 1. equipped with the knowledge and skills necessary to navigate the complexities of energy systems in the context of sustainable development (All evaluations) 2. developing critical thinking and innovative approaches essential for contributing to the development of effective energy policies that address current challenges while promoting a sustainable future for all (All evaluations) 			
Student responsibilities <ul style="list-style-type: none"> ● At least 75% attendance will be necessary to be able to appear for the final exam. ● Active classroom participation; Critical reflections and timely submission according to the evaluation criterion. 			
Course Outline prepared by: Dr. Gopal Sarangi			
Course Reviewers <ol style="list-style-type: none"> 1. Prof. Atul Kumar, Professor of Energy Studies Programme, School of International Studies, Jawaharlal Nehru University, New Delhi, India. 2. Dr Arunabha Ghosh, Public Policy Expert & CEO, Council on Energy, Environment and Water (CEEW), New Delhi, India. 			
Additional Information This Course outline was approved in the 60 th Academic Council Meeting held on 24 th December 2024 at TERI School of Advanced Studies, New Delhi.			

Note: This is a brief outline of the course. Detailed Course Content is available to students through University Intranet.