

Course title: Introduction to Energy Resources, Systems and Technologies			
Course code: DSE 101	No. of credits: 3	L-T-P:39-6-0	Learning hours: 45
Pre-requisite course code and title (if any): NA			
Department: Sustainable Engineering			
Course coordinator: Dr Ramkishore Singh		Course instructor(s): Dr Ramkishore Singh / Dr Amit Kaur	
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Course type: Core		Course offered in: Semester 1	
Course description: This introductory course has been designed to get the students acquainted with different energy resources (non-renewable and renewable), reserves and their potentials, accounting of the energy, global and Indian energy demand and supply, impact of energy consumption on the environment, climate change assessment and global impact of climate change. Also, introduces students with different energy conversion technologies and their functioning.			
Course objectives:			
<ol style="list-style-type: none"> 1. To get students understand and familiarity with different types of energies and their measurements, availability and potential. 2. To inculcate skills using different methods for energy accounting. 3. To introduce students with conversion technologies and systems that are used for converting non-renewable and renewable energy resources to useful heat and power. 			