

Course title: Renewable energy resource characteristics		
Course code: ENR 146	No. of credits: 3	L-T-P: 34-11-0
Learning hours: 45		
Pre-requisite course code and title (if any): Not required		
Department: Sustainable Engineering		
Course coordinator: Dr Ramkishore Singh	Course instructor(s): Prof. Naqui Anwer/ Dr Ramkishore Singh/ Dr Amit Kaur	
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Course type: Programme Core	Course offered in: Semester 1	
<p>Course description</p> <p>The course is designed to familiarize and train the students with the tools and techniques used to assess the various renewable energy resources and their potential at any location, so that they are able analyse a case quantitatively at the end of the term.</p>		
<p>Course objectives</p> <p>The objective of the courses is to develop in-depth knowledge in the following:</p> <ul style="list-style-type: none"> ▪ Various renewable energy resources available at a location and the assessment of their potential ▪ Solar energy radiation, its interactions, measurement and estimation ▪ Site selection for wind turbines, measurements and instruments ▪ Bioenergy resource assessment, pathway selection, biomass supply 		