

Course Title: Principles of Remote Sensing			
Course code: NRG169	No. of credits: 4	L-T-P: 36-08-32	Learning hours: 60
Pre-requisite course code and title (if any): None			
Department: Department of Natural and Applied Sciences			
Course coordinator: Prof. Chander Kumar Singh		Course instructor: Prof. Chander Kumar Singh	
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Course type: Core		Course offered in: Semester 1	
Course Description			
<p>It introduces the participants to the basic concepts and the operational skills necessary to acquire remote sensing data and extract geo-information from them. The course links the theoretical physical principles and interpretation in form of remotely sensed images, and thereafter develops understanding of different applications in resource management. The course will provide the insights in wider domain of monitoring and applications in environmental sciences and studies.</p>			
Course objectives			
<ul style="list-style-type: none"> • To congregate the basic concepts and fundamentals of physical principles of remote sensing and EM radiations • To develop technological understanding of different remote sensing platforms- ground, air-borne and satellite • Processing of Remote sensing data and some studies in various domains of remote sensing applications 			