

Course Title: Introduction to Remote Sensing			
Course code: SEC 102	No. of credits: 3	L-T-P: 35-05-10	Learning hours: 45
L: Lectures; T: Tutorials; P: Practical			
Pre-requisite course code and title (if any): None			
Department: Natural and Applied Sciences			
Course coordinator:		Course instructor:	
Contact details:			
Course type: Skill Enhancement Course		Course offered in: Semester 2	
Course Description Remote sensing has transformed our understanding of the earth system science as an integrated system providing us an essential source of environmental information to get in-depth understanding of trends and strategize management plans for a range of environmental applications. This course is designed for the undergraduate students to appreciate the development of remote sensing discipline as a cutting-edge science. With introduction to its development the student would also dwell into understanding the science and art of remote sensing discipline. This course will focus on the basic concepts of physics used in understanding of the remote sensing processes for application of satellite datasets in environmental studies and its management. With this necessary background, course participants will use remote sensing data to understand the information extraction about the features using elements of image interpretation. The course will also provide the insights in wider domain of monitoring and applications in different domains of environment.			
Course objectives <ul style="list-style-type: none"> • To develop broader understanding of fundamentals of remote sensing. • To describe developmental stages/evolution of remote sensing. • To understand remote sensing data applications in various domains of environment 			