

Course title: Principles of Geoinformatics			
Course code: NRE 172	No. of credits: 3	L-T-P: 25-04-32	Learning hours: 45
Pre-requisite course code and title (if any):			
Department: Natural and Applied Sciences			
Course coordinator(s): Dr Ayushi Vijhani		Course instructor(s): Dr Ayushi Vijhani	
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Course type: Elective		Course offered in: Semester 2	
Course description The course is an introductory in remote sensing and image interpretation. Remote sensing and its kindred technologies viz., geographical information system (GIS) and global position system (GPS) will be taught. The contents are designed as a compulsory course material for all the students undergoing M.Sc. (Environmental Studies and Resource Management and Climate Science & Policy) and pre-Ph.D. The course is not limited to the topics given below. The students are suggested to read different books, magazines and peer reviewed journals. The course is designed to serve as a foundation course in order to understand the fundamentals of RS/GIS/GPS and their applications in various disciplines being offered various subsequent courses offered in M.Sc./Ph.D. program. The details of the sub fields will also be dealt in Elective offered in Semester III.			
Course objectives <ul style="list-style-type: none"> • To introduce to the importance of spatial dataset • To develop awareness about the sources and types of spatial dataset • To Introduce Remote Sensing, Geographic Information Systems and Global Positioning System 			