Course title: Geoinformatics for land resources			
Course code: NRG 182	**No. of credits:** 3	**L-T-P:** 16-10-38	**Learning hours:** 45
Pre-requisite course code and title (if any):			
Department: Department of Natural and Applied Sciences			
Course coordinator(s): Dr Chander Kumar Singh	**Course instructor(s):**		
Contact details: chander.singh@terisas.ac.in			
Course type: Elective	**Course offered in:** Semester 3		
Course description This course is designed for students to learn applications of geospatial technology for land resources. The course is designed to quantify different landscape elements using remote sensing. It also introduces mapping of agriculture, forest, soil and minerals using remote sensing and GIS.			

Course objectives:
    1. To gain broad understanding of the geospatial approaches for detecting and characterizing landscape pattern and the causes of landscape pattern
    2. To study utility of geospatial technology for agriculture, forest, soil and minerals detection			