

Course title: Programming in Geoinformatics			
Course code: NRG 108	No. of credits: 3	L-T-P: 15-5-50	Learning hours: 45
Pre-requisite course code and title (if any): NRG 176: Principles of GIS and GNSS, NRG 169: Principles of Remote Sensing, NRG 106: Fundamentals of Computers and Programming			
Department: Department of Natural and Applied Sciences			
Course coordinator(s): Dr. Ayushi Vijhani		Course instructor(s): Dr. Adil Masood	
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Course type: Core		Course offered in: Semester 2	
Course description The course introduces programming required for both GIS and remote sensing analysis to the students. The fundamentals of programming in GIS using Python language. The coding for analysis of remotely sensed dataset will be taught using Google Earth Engine.			
Course objectives <ul style="list-style-type: none"> ▪ To introduce Python programming ▪ To integrate programming with GIS analysis ▪ To introduce Google Earth Engine for Image processing 			