

Course title: Advanced Analytical Techniques for Environmental Applications			
Course code: NRE 114	No. of credits: 3	L-T-P: 30-0-30	Learning hours: 60
Pre-requisite course code and title (if any): Environmental monitoring laboratory (NRE 138)			
Department: Natural and Applied Sciences			
Course coordinator:		Course instructor:	
Contact details:			
Course type: Elective		Course offered in: Semester 2	
Course Description This course is to provide understanding of various analytical techniques and instrumental methods that students come across during their course work and research undertakings. This course begins with basic introduction of analytical technique and related terminologies. This course introduces analytical techniques along with working principal, common instrumentation and possible applications. This course will be beneficial to various fields including, environmental science, chemical science, material science and life science.			
Course objective <ul style="list-style-type: none"> • The objective of this course is to provide advanced skillsets of analytical techniques pertinent to environment and climate domain • To provide scientific understanding of instrumentation, operation, interpretation of data and its applications 			