

Course title: Major Project			
Course code: NRE 104	No. of credits: 20	L-T-P: 0-0-420	Learning hours: 15 weeks
Pre-requisite course code and title (if any):			
Department: Natural and Applied Sciences			
Course coordinator(s): Dr Adil Masood		Course instructor(s):	
Contact details: adil.masood@terisas.ac.in			
Course type: Core		Course offered in: Semester 4	
<p>Course description: It is an opportunity for the students to apply knowledge and skillsets, which they have obtained during classroom teaching, practical course work and field visits, spread over three semesters. The major project is conceptualized to independently think and engage in research to provide sustainable solutions based on learning during the master's degree course work. It requires a deeper understanding of the development process, the driving factors, and the inter-linkages within the earth system science, climate change issues, sustainable development challenges, renewable energy, community engagement, legal frameworks, among others. The students are required to hypothesize a research problem and carry out detailed and substantial amount work with their original thoughts and frameworks. At the end of the major project, students are expected to submit a dissertation/thesis, which is reflection of knowledge acquired in previous studies and demonstrates the prospect to probe profoundly into a research question and integrate the learning while findings the answer. Along with the dissertation/thesis the students are required to present the entire work before an evaluation committee based on the major project guidelines (see additional information).</p>			
<p>Course objectives: The purpose of major project is</p> <ul style="list-style-type: none"> • To enable the student to develop deeper knowledge, understanding, capabilities and attitudes in the context of the climate science, environmental resource, its management, policy implications, development issues, community engagement, holistic approach for energy, environment and sustainable development and providing them opportunity/exposure to real environmental issues. • To enhance skills, capacity and techniques needed for efficient utilization and management of resources to ensure sustainable development. • To independently emphasize on technical/scientific/socio-behavioral aspects of the environmental resource management/ environmental problems/ community-based interventions/ adaptations and to develop critical and analytical thinking towards simplifying and solving such problem/issue. 			