

Course title: Research Methodology and Thesis Writing			
Course code: NRE 173	No. of credits: 2	L-T-P: 28-2-0	Learning hours: 30
Pre-requisite course code and title (if any):			
Department: Natural and Applied Sciences			
Course coordinator(s): Dr Swarup Dutta, Dr Pritha Datta		Course instructor(s): Dr Swarup Dutta, Dr Pritha Datta	
Contact details: swarup.dutta@terisas.ac.in, pritha.datta@terisas.ac.in			
Course type: Core		Course offered in: Semester 2	
<p>Course description</p> <p>The course aims to build scientific perspective, attitude and skills for systematic enquiry by developing understanding of philosophical foundations of research, various elements of research design and methods and tools for data collection and analysis. The course will enable comprehension of principles and elements of research methodology, to formulate research problem, objectives and questions. It will introduce students to various methods, tools and techniques related to research. The course has a strong practical component. The students will write research proposal and submit a full-length review article based on secondary data.</p>			
<p>Course objectives</p> <ul style="list-style-type: none"> • Introducing students to the fundamental concepts and terminology of research, types of research • Orienting students with the ethical concerns of the research • Prepare the student to write research proposal by identifying research problem, formulating research questions and hypothesis • Developing a skill of reviewing literature and analysing secondary data sources. • Understanding various tools and techniques for data collection and fieldwork • Orienting students regarding thesis writing 			