Course title: Independent Study

Course code: NRE 105	**No. of credits:** 3	**L-T-P:** 0-0-90	**Learning hours:** 90

Pre-requisite course code and title (if any): Minimum of 7.5 CGPA is required for 3rd semester students to take this course

Department: Energy and Environment

Course coordinator:	**Course instructor:** Dr Chubamenla Jamir

Contact details: chubamenla.jamir@terisas.ac.in

Course type: Elective	**Course offered in:** Semester 3

Course Description

The independent study is a 3 credit course offered to the students registered for the MSc in Climate Science and Policy (CSP) and Environment Studies and Resources Management (ESRM) programmes. This course offers an opportunity to the students to study an area of their interest, which otherwise is not offered as a taught course, under the supervision of a faculty from the TERI School of Advanced Studies. The independent study could be in the form of a small research project, pilot study, literature based study on a specific subject area chosen with the mutual consent of the student and the faculty attached and approved by a panel of faculty members.

Course objectives

- To provide advanced understanding of a specific subject to the student
- To provides hands on practice in carrying out independent study (or research)

Course content

Module	Topic	L	T	P
1.	**Synopsis** The student will prepare a synopsis in consultation with the supervisor. The synopsis will be submitted to the co-ordinator and presented before the evaluation committee.	0	0	18
2.	**Mid Term Evaluation** One mid-term evaluation will be carried out to assess the progress made in the assignment. The evaluation committee will meet to evaluate the progress.	0	0	42
3.	**Final Evaluation** Final presentation will assess the quality of work, results and products. A thesis will be prepared and evaluated for the same.	0	0	30
	Total	**0**	**0**	**90**

Evaluation criteria

- Test 1 (Study plan: Presentation): 20% (Student will present to the Evaluation panel the Study plan that they will design after literature review and consultation with the Supervisor)
- Test 2 (Progress of study: Presentation): 20% (Student will present to the Evaluation panel the progress in Study)
- Test 3 (Final evaluation) (Student will present to the Evaluation panel the Study report).
    - Presentation: 30%
    - Report: 30%

Learning outcomes

- After the completion of the Independent study the students will be able to attain in-depth knowledge about the available literature in the particular discipline and finding out the

knowledge/ research gaps

- The students will also know different kinds of available tools/ techniques/ approaches available for the specific subject area.
- The students will learn how to present and communicate the finding of the study and also mapping it in the context of sustainability.

Pedagogical approach

- Literature review (Test 1)
- Consultation meetings with supervisor, experts in the field and other stakeholders (Test 1 & 2)
- Field surveys/ Focused group discussions/ softwares/data analysis (Test 3)

Materials

1. Journals, periodicals, reports as per the requirement of the title of the individual study

Additional information (if any)

Student responsibilities

The students are expected to submit the materials for evaluation as per the timeline provided at the start of the semester and adhere to the guidelines given.

Course Reviewers

The course is reviewed by the following experts:

1. Dr. Milap Punia, Associate Professor, Jawaharlal Nehru University, New Delhi
2. Dr. P.P. Pani, Assistant Professor, Jawaharlal Nehru University, New Delhi
3. Dr. R.D. Garg, Associate Professor, Indian Institute of Technology, Roorkee
4. Dr. T.P. Singh, Assistant Professor, Symbiosis Institute of Geoinformatics, Pune