Course ti	itle: Independent Study						
		f credits: 3		earnin			
-	· · · · · · · · · · · · · · · · · · ·	e course code and title (if any): Students having a CGPA of 7.5 and above are eligible to					
register f							
this cours	se. ent: Department of Energy and Environm	ont					
	oordinator: Dr. Naqui Anwer	Course I	structor				
	naqui.anwer@terisas.ac.in	Course I					
	ype: Elective	Course of	fered in: Semester 3				
	lescription						
Energy E supervisio Advanceo superviso	pendent study is a 3-credit course offered Engineering and Management (REEM). The on of a faculty member. The supervisor co d Studies. Students interested in registerin or before they register for the course. The ion of synopsis by August 2 nd week, mid-	e student will an be any facu ng for the coun course will be	conduct a study independent alty member from TER rse should get consent conducted through su	endentl I Scho from th Ibmissi	y unde ool of ne ion and	er the	
	on and presentation by November 4 th week	- 					
 To ł 	bjective enable students carry out research studies help students obtain advanced understandin ewable energy, energy systems, policy & a	ng on specific	system/process/scenari		ıg appr	oach	
Course c		regulation and	and areas				
Modul	Торіс			L	Т	P	
e	-						
1	 Preparation of a synopsis document and a Title of the study Rationale for the study and F Literature review Methodology Expected Outcome Timeline References 	•		0	0	18	
	Work focused on the approved synopsis	leading to mi	d-term presentation of	0	0	44	
2	work comprising of the progress made a student on the specific topic.						
3	Completion of remaining work and prep containing the following and final preser • Abstract • Introduction • Study Area • Aim and Objectives • Methodology • Results and Discussions • Conclusions and Limitations • Future Scope of Work • References Discussion and presentation of research we	ntation:		0	3	22	
	Total			0	3	84	

Evaluation criteria		
Test 1: Synopsis document and presentation:	20%	(August 2 nd week)
Test 2: Mid-term presentation:	20%	(October 4 th week)
Test 3: Final evaluation		(November 4 th
week)		
Presentation:	30%	
Report:	30%	

- Synopsis will be evaluated by the supervisor and two faculty members.
- Mid-term test will be evaluated by the supervisor and two faculty members.
- Presentation made to supervisor and 2 additional faculty members Report submission at the end of the term evaluated by supervisor and a faculty member

Learning outcomes

After completing the course, the students will be able to:

- Provide comprehensive knowledge about the topics of the study (Test 1)
- Design and implement the concepts related to the study (Test 2 and 3)
- Test the systems (if any) in with wholistic approach (Test 2 and 3)

Pedagogical approach

Self-learning; interaction with supervisor; literature review; interaction with experts

Materials

Peer-reviewed journal articles Reputed conference proceedings Reports related to the specific project Learning materials provided by supervisor

Additional information (if any)

- The final report should be around 40 pages
- A guideline along with important dates and format will be notified by the supervisor orcourse coordinator.
- Student needs to check plagiarism using software (e.g. Turnitin) and submit the report to supervisor before final submission

Student responsibilities

Attendance; Discipline; Research Ethics, etc. Regular discussion with supervisor and adhering to the timeline

Course Reviewers

- 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