Course title: Energy Markets and Trading			
Course code: DSE 114		<b>L-T-P:</b> 40-05-00	Learning hours: 45
Pre-requisite course code and title (if any): N.A.			
Department: Sustainable Engineering			
Course coordinator: Dr. Sapan Thapar		<b>Course instructor</b> ( <b>s</b> ) <b>:</b> Dr. Sapan Thapar	
Contact details: sapan.thapar@terisas.ac.	.in		
Course type: Core	Course	ffered in: Semester 2	
Energy is at crossroads of being transition are platforms for buying and selling of energy The course offers students an understandin focusing on India. It encompasses evolu stakeholders, pricing mechanisms and pro as non-electric formats (oil, gas, coal), criss wind, biomass, hydro). A significant par besides providing overview on evolving m	ergy, in different for ag of the energy mar ation of the Indian ocurement modes. It sscrossing conventi- t of the syllabus e	rmats ket structure and the energy sector, key Discussions will inclu onal (coal, oil, gas) a ncompasses energy	governing principles, regulations, sectoral ide electricity as well nd renewables (solar,
Course objectives			
The course provides an in-depth understanding on various dimensions of the energy markets in India.			

Key objectives are -

- Overview on the Indian energy / power Sector
- Understand planning & operational Aspects of Indian Power System
- Understand working of a Power Exchange
- Understanding sourcing and Pricing of Coal, Oil and Gas
- Exposure to energy diplomacy
- Awareness on evolving market products

## **Evaluation criteria**

- Test 1: 20% (in form of assignment –power sector assessment)
- Test 2: 20% (in form of assignment –coal, oil and gas sector assessment)
- Case Study 20% (Global best practices/ business models)
- Test 3 40% (after completion of all modules)

## Learning outcomes

- Broad understanding of Indian power markets
- Working of a power exchange
- Pricing of coal, oil and gas
- Role of energy diplomacy in energy security and access
- Exposure to evolving energy market products and services