Course title: Climate, Energy & Carbon Markets			
Course code: PPM 210	**No. of credits:** 2	**L-T-P**: 26-04-00	**Learning hours:** 30
Pre-requisite course code and title (if any): N.A.			
Department: Policy and Management Studies			
Course coordinator: Dr Gopal Sarangi		**Course instructor(s):** Dr Gopal Sarangi	
Contact details:			
Course type: Core		**Course offered in:** Semester 2	

Course description

The energy sector is associated with significant contributions to a country's carbon emissions and there exists a strong nexus between energy and climate change. Several countries are party to the Paris Agreement (PA) and are supposed to report their emissions to UNFCCC on a regular basis and develop the GHG emissions inventories. In this course, the students shall be provided with an overview on global climate agreements, energy specific emissions, and tools and methodologies for accounting and reporting the emissions, importantly market-based mechanisms as evolved under Art. 6 of Paris Agreement. They shall be apprised on the Indian GHG inventory and the initiatives to reduce the same. Importantly, students will be appraised on the emerging Indian carbon market and India's experience in CDM and VCM markets. Carbon pricing and trading has been identified as a tool to reduce emissions. In this context, the students shall be taught about the various trading mechanisms operational worldwide along with their pricing structures.

Course objectives

- Understand and appraise the importance of market-based instruments for environment and climate change
- Get an overview on global climate goals, strategies and international agreements including those of market-based mechanisms and Indian climate policy, regulation and emerging carbon market architecture
- Understand and apply the energy related GHG emissions and carbon emissions and their estimation procedures
- Understand and apply the methods and tools of carbon footprint assessment for key sectors