

## **0906431 Energy and Environment (3-0-3)**

### **Prerequisite: 0906410 Nuclear Reactions**

Energy Systems and Environment; Conventional and Renewable energy sources. The impact of RE in reducing CO<sub>2</sub> emissions. Consequence of pollution growth; Air, water, soil, thermal, noise pollution- cause and effect; Causes of global, regional and local climate change; Pollution control methods; Environmental laws on pollution control. Sustainability: Global warming; Green House Gas emissions, impacts, mitigation; Sustainability; Externalities; Effect of future Energy Systems; The effect of Clean energy technologies.