

Renewable Energy (10 credits)

This module will introduce the quantitative principles and technology associated with renewable energy sources primarily driven by the sun, the moon and the earth's geology.

Solar, wind, wave, hydro-electric, geothermal and tidal energy will be introduced, together with the concept of a hydrogen energy economy.

The impacts of current energy and resource practices will be discussed, and the concepts of Life Cycle Analysis and eco-design will be introduced.