## EG5066 Energy Technologies Current Issues and Future Directions

To gain an understanding of the current energy industries, the drivers of change, future energy demand:supply relations and the challenges facing the energy industries

## **Assignments**

- → An assessment of a chosen energy technology and its place in future energy
  - → Five page report individual work
- → How will the energy landscape look in 2050 group project
  - Report
  - Assessed presentation

## Course overview **SOURCES** Fossil **SECTORS** CURRENT Conventional Electricity Non-conventional **ENERGY SUPLY &** Heat Nuclear USE Transport Hydro Renewables **SUPPLY-DEMAND** Energy use per capita Reduction in supply Energy efficiency Peak oil Aging plant Climate change – Kyoto/Copenhagen Availability & security of supply Equity/Ethical/Moral arguments **Environmental** issues Transition to low carbon economy **FUTURE ENERGY SUPPLY & USE** 2050

**EG5066** Energy Technologies – current issues and future directions