

Course Unit Title	SES 611 Energy and Environmental Policies
Programme of study	MSc in Sustainable Energy Systems (Distance Learning)
Lecturer	Dr.-Ing. Paris A. Fokaides
Type of course unit	Compulsory
ECTS	5
Year of study:	1
Semester(s) offered	Fall Semester 2016
Course content	<ul style="list-style-type: none"> ▪ Introduction of the major concepts that govern the energy policy decision making in national and European level ▪ Aspects of efficient use of energy in various sectors (buildings, products, end-use) ▪ Energy-related environmental policies ▪ Clean secure and affordable energy by means of secure energy supply and alternative energy sources
Course modules:	<p><u>Module 1: European energy policy main aspects</u></p> <ul style="list-style-type: none"> ▪ Current European energy status – key figures ▪ European energy roadmap 2050 <p><u>Module 2: Efficient energy end-use</u></p> <ul style="list-style-type: none"> ▪ Financing energy efficiency ▪ Tools for achieving energy efficiency in buildings ▪ Tools for achieving energy efficiency in energy end-use ▪ Tools for achieving energy efficiency in products <p><u>Module 3: R&D European initiatives in energy</u></p> <ul style="list-style-type: none"> ▪ SET plan for development of low carbon technologies ▪ Horizon 2020 programme, energy related topics <p><u>Module 4: Clean, secure and affordable energy</u></p> <ul style="list-style-type: none"> ▪ Promotion of the use of energy from renewable sources ▪ Cyprus national action plan for the promotion of energy from renewable sources ▪ Energy crises definition and examples ▪ Security of natural gas, crude oil and electricity supply <p><u>Module 5: Environmental policies</u></p> <ul style="list-style-type: none"> ▪ Climate change and the Kyoto protocol ▪ Allowance carbon trading schemes
Textbooks:	European and National Acquis in the field of Energy and Environment
Instruction language	English
External reference	link