

Environmental Policy, Legislation and EMS	
School	Engineering and Physical Sciences
Module Leader	Mr Keith Murray
	Dr Christina Marouli
Module Number	B49EL
Credits	12
Assignments	YES
Exams	YES
Student Effort ours	120
Pre-reading/Other Program-related Activities	12 hours
Formal Lectures/Workshop	26 hours
Discussions/Group Activities/Case Studies/Demonstrations	6 hours
Laboratory work	4 hours
Independent Study & Coursework	72 hours
<p>Objectives</p> <p>The module traces the development of UK and European Environmental legislation, examines its features and trends and discusses the drawbacks of compliance driven legislative strategies. The emergence of eco-modernism in environmental management is highlighted and Environmental Management Systems (EMS) both voluntary and compulsory are introduced. The module also gives practical experience in ISO14001 (EMS) policy formulation and shows how sustainability ideas are being included in management through The Natural Step approach and through including sustainability achievement as an explicit goal of management.</p> <p>On completion of the module, students will have a practical appreciation of how environmental management and legislation works, and will understand the background and defining issues of environmental and sustainability management procedures.</p>	
<p>Subjects</p> <p>1. Legislation development in UK and Europe. Feedback nature, drawbacks and limitations. The SEVESO directives.</p> <p>2. Development of environmental Management Systems both voluntary and compulsory.</p>	

The company as reactive “organism” and compliance driven management strategy. Valdez principles and the emergence of eco-modernism. Company procedures “Grime Goes Green”.

3. **Using ISO14001** Policy making and the management cycle. Parallels with ISO9000.quality management systems.

4. **Sustainability management systems:** a practical reality. The natural step (TNS) approach.

5. **Development of environmental management and legislative strategy for the future.**