

<b>Technology Futures and Business Strategy</b>	
<b>School</b>	Engineering and Physical Sciences
<b>Module Leader</b>	Professor David Reay
	Dr J.K.Kaldellis
	Dr E. Kondili
<b>Module Number</b>	B49E2
<b>Credits</b>	12
<b>Assignments</b>	YES
<b>Exams</b>	YES
<b>Student Effort ours</b>	120
<b>Pre-reading/Other Program-related Activities</b>	12 hours
<b>Formal Lectures/Workshop</b>	26 hours
<b>Discussions/Group Activities/Case Studies/Demonstrations</b>	6 hours
<b>Laboratory work</b>	4 hours
<b>Independent Study &amp; Coursework</b>	72 hours
<b>Objectives</b> The aim of the module is to give an understanding of the relationship between energy, technology and business.	
<b>Subjects</b> <ul style="list-style-type: none"> <li>• Technology Forecasting</li> <li>• Technological Developments</li> <li>• Energy Policy</li> <li>• Social and Environmental Impact of Current/Emerging Technologies</li> </ul>	
<b>Content</b> This module is the final module of the FLAME – MSc in Energy and aims to synthesise engineering and business. It includes technology forecasting, analysis of previous attempts to predict energy use; relevant technological development; social and environmental impacts of current and emerging technologies; technology transfer; integration into business plan. The module includes theoretical and practical aspects of strategic competitive implications for companies; industrial and business drivers; issues of strategic and cultural change, business ethics, and environmental issues.	