



UK

SYLLABUS 2026-2027

Elective: Understanding Climate Change

MODULE SPECIFICATION

Module Code	2627_ECO_1_EN_014
Campus	Oxford
Department(s)	Economy, Territories, and Sustainable Development
Level / Semester	Undergraduate Year 3 (U3); Equivalent to FHEQ level 6 Semester 05
Language of Instruction	English
Teaching Method	☒ In-person (face-to-face) ☐ Distance learning (live online) ☐ e-Learning (asynchronous) ☐ Hybrid: _____
Pre-requisite(s)?	None
ECTS <i>Reminder: 1 ECTS = between 20 and 30hr- student workload</i>	4
Equivalent FHEQ credits	8
Study Hours	60 hours which comprise of 30 directed learning and 30 independent learning/assessment hours

MODULE DESCRIPTION

Module Aims	Students examine how climate change influences business strategy, governance, and ethical decision-making. The module explores the role of organisations in climate mitigation and adaptation, alongside regulatory and policy frameworks. Emphasis is placed on developing sustainable models to manage risk and support long-term resilience.
Teaching Arrangement	Teaching will be through a series of lectures, video and group

	presentations, and group work on case studies.
Learning Outcomes	By the end of this module, students should be able to: 1. Analyse the economic, political, legal, and ethical challenges that climate change presents for businesses and society. 2. Evaluate the role of major organisations and policies in global climate governance and their impact on corporate strategy. 3. Assess climate-related risks and develop strategic approaches for businesses to mitigate environmental and financial vulnerabilities. 4. Design sustainable business models that integrate climate-sensitive strategies to drive long-term resilience and triple bottom-line performance.
Competency Goals <i>(Knowledge, expertise and interpersonal skills)</i>	PGE_U_CG01 - Manage teams
	PGE_U_CG02 - Steer economic performance
	PGE_U_CG03 - Develop and implement marketing and sales strategy
	PGE_U_CG04 - Manage a profit responsibly
	PGE_U_CG05 - Innovate to adapt to its environment
	PGE_U_CG06 - Evolve in a globalised world
Alignment with Programme Learning Goals	PGE_U_CG01_LO04 - Manage self and others for a responsible and ethical management
	PGE_U_CG02_LO01 - Monitor the company's financial performance and anticipate financial risks
	PGE_U_CG03_LO04 - Analyse sales and marketing performance
	PGE_U_CG04_LO04 - Implement CSR policy
	PGE_U_CG05_LO01 - Analyse the organisation's activity and develop innovative projects
	PGE_U_CG05_LO04 - Develop decision-making support tools
	PGE_U_CG06_LO02 - Address the economic challenges of your organisation within a globalised world

SESSION TOPICS / MODULE SCHEDULE

(Please note, a session/sequence may be more than one scheduled class)

<u>Session 1: Introduction</u> Content:
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Last reviewed: 23/01/2026

- Group icebreaker
- Introduction to the module

References:

- Štreimikienė, D. and Mikalauskiene, A. (2021) *Climate change and sustainable development: Mitigation and adaptation*. 1st edn. Boca Raton, FL: CRC Press.

Assignments:

- Icebreaker: organise an online group meeting
- Review in groups: Table 3 -- comparison of the article on Food Security in Sri Lanka
 - Prepare and upload a summary (100 words), titled: "Will conventional agriculture aid food security in Sri Lanka?"

Session 2: Causes and Consequences of Climate Change

Content:

- Overview of the causes and consequences of climate change

References:

- Štreimikienė, D. and Mikalauskiene, A. (2021) *Climate change and sustainable development: Mitigation and adaptation*. 1st edn. Boca Raton, FL: CRC Press.

Assignments:

- Read: Štreimikienė, D. and Mikalauskiene, A. (2021) *Climate change and sustainable development: Mitigation and adaptation*. 1st edn. Boca Raton, FL: CRC Press. (Chapter 1)
- Group work: Upload an infographic of all international climate change agreements

Session 3: Sources, Dynamics of Greenhouse Gases and Legal Regulation

Content:

- Overview of the sources and dynamic of greenhouse gases
- Overview of the legal regulation of greenhouse gases

References:

- Štreimikienė, D. and Mikalauskiene, A. (2021) *Climate change and sustainable development: Mitigation and adaptation*. 1st edn. Boca Raton, FL: CRC Press.

Assignments:

- Read: Štreimikienė, D. and Mikalauskiene, A. (2021) *Climate change and sustainable development: Mitigation and adaptation*. 1st edn. Boca Raton, FL: CRC Press. (Chapter 1)
- Upload a single-slide PowerPoint poster illustrating accounting groups (sectors) of greenhouse gas emission against countries' contributions to both current emission and plans to reduce emissions

Session 4: Concept, Objective, Development of Sustainability and the Link Between Climate Change

Content:

- Live client brief
- Overview of the link between climate change and concept, objective, and development of sustainability

References:

- Štreimikienė, D. and Mikalauskiene, A. (2021) *Climate change and sustainable development: Mitigation and adaptation*. 1st edn. Boca Raton, FL: CRC Press.

Assignments:

- In groups: read and digest the live client brief and prepare 5 appropriate questions for the session

- Read: Štreimikienė, D. and Mikalauskiene, A. (2021) *Climate change and sustainable development: Mitigation and adaptation*. 1st edn. Boca Raton, FL: CRC Press. (Chapter 2)
- Upload an infographic of how we arrived at our current climate change situation (timeline in chronological order)

Session 5: Implementation of Sustainable Development, Climate Change Policies, and Sustainability Assessment Method

Content:

- Overview of the implementation of sustainable development, climate change policies, and sustainability assessment methods

References:

- Štreimikienė, D. and Mikalauskiene, A. (2021) *Climate change and sustainable development: Mitigation and adaptation*. 1st edn. Boca Raton, FL: CRC Press.

Assignments:

- Read: Štreimikienė, D. and Mikalauskiene, A. (2021) *Climate change and sustainable development: Mitigation and adaptation*. 1st edn. Boca Raton, FL: CRC Press. (Chapter 2)
- Upload a single-slide PowerPoint poster illustrating Sustainable Development Goals and culture superimposed with climate change policy and measures of climate change policy

Session 6: Globalisation and Liberalisation of Markets and Climate Change

Content:

- Overview of the globalisation and liberalisation of markets and climate change

References:

- Štreimikienė, D. and Mikalauskiene, A. (2021) *Climate change and sustainable development: Mitigation and adaptation*. 1st edn. Boca Raton, FL: CRC Press.

Assignments:

- Read: Štreimikienė, D. and Mikalauskiene, A. (2021) *Climate change and sustainable development: Mitigation and adaptation*. 1st edn. Boca Raton, FL: CRC Press. (Chapter 3)
- Upload a summary (100 words)

Session 7: The Impact of Climate Change Mitigation Concept – Economic Climate Change Mitigation Approaches

Content:

- Overview of the impact of the climate change mitigation concept
 - Overview of economic climate change mitigation approaches

Assignments:

- Read: Štreimikienė, D. and Mikalauskiene, A. (2021) *Climate change and sustainable development: Mitigation and adaptation*. 1st edn. Boca Raton, FL: CRC Press. (Chapter 4)
- Upload an infographic of the IPCC (2007) report's climate change assessment approach
- First draft of Coursework Clinic

Session 8: Emissions Trading Theory and Environment Management Systems

Content:

- Overview of emissions trading theory and environment management systems

References:

- Štreimikienė, D. and Mikalauskiene, A. (2021) *Climate change and sustainable development: Mitigation and adaptation*. 1st edn. Boca Raton, FL: CRC Press.

Assignments:

- Read: Štreimikienė, D. and Mikalauskienė, A. (2021) *Climate change and sustainable development: Mitigation and adaptation*. 1st edn. Boca Raton, FL: CRC Press. (Chapter 4)
- Upload:
 - Using examples, create a blog that illustrates how a carbon emissions trading market works
 - Assignment 2

Session 9: Adaption to Climate Change Impacts – Climate Change & Developing Countries

Content:

- Overview of adaptations to climate change impacts
 - Focus on climate change and developing countries

References:

- Štreimikienė, D. and Mikalauskienė, A. (2021) *Climate change and sustainable development: Mitigation and adaptation*. 1st edn. Boca Raton, FL: CRC Press.

Assignments:

- Read: Štreimikienė, D. and Mikalauskienė, A. (2021) *Climate change and sustainable development: Mitigation and adaptation*. 1st edn. Boca Raton, FL: CRC Press. (Chapter 5)
- Upload an infographic of the major cities that are vulnerable to the impacts of climate change

Session 10: Climate Change & Cities and the Impact of Climate Change on Agriculture

Content:

- Overview of climate change's relation to cities and its impact on agriculture

References:

- Štreimikienė, D. and Mikalauskienė, A. (2021) *Climate change and sustainable development: Mitigation and adaptation*. 1st edn. Boca Raton, FL: CRC Press.

Assignments:

- Read: Štreimikienė, D. and Mikalauskienė, A. (2021) *Climate change and sustainable development: Mitigation and adaptation*. 1st edn. Boca Raton, FL: CRC Press. (Chapter 5)
- Upload a blog illustrating the impact of climate change on agriculture

KEY TEXTS

1. Štreimikienė, D. and Mikalauskienė, A. (2021) *Climate change and sustainable development: Mitigation and adaptation*. 1st edn. Boca Raton, FL: CRC Press.

SUPPLEMENTARY TEXTS

1. (2024) *World energy outlook 2024*. rep. Paris, France: International Energy Agency, pp. 1–398.
2. Masson-Delmotte, V., Zhai, P., Pörtner, H-O., Roberts, D., Skea, J., Shukla, P.R., Pirani, A., Moufouma-Okia, W., et al. (eds.) (2018) *Global warming of 1.5°C: An IPCC Special Report on the impacts of global warming of 1.5°C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty*. Rep. Intergovernmental Panel on Climate Change, pp. 1–616.
3. Yusuf, J-E.W. and St John, B. (eds.) (2021) *Communicating climate change: Making environmental messaging accessible*. Abingdon, United Kingdom: Routledge.

MODES OF ASSESSMENT

Continuous Assessment (40%)	Quizzes/Class participation/Personal composition	20%
	Group presentation	20%
Final Exam (60%)	Closed book written exam	

MODULE DESIGN TEAM

- Author: *Marine Bastiege*
- Reviewer: *Cécile Sansalone*
- External Reviewer: *Mandhir Gill*