



UK

## SYLLABUS 2025-2026

Elective: Understanding Climate Change

### MODULE SPECIFICATION

Module Code	2526_TFB_1_EN_008
Campus	Oxford
Department(s)	Territorial Economy and Sustainable Development
Level / Semester	Undergraduate Year 3 (U3); Equivalent to FHEQ level 6 Semester 06
Language of Instruction	English
Teaching Method	<input checked="" type="checkbox"/> In-person (face-to-face) <input type="checkbox"/> Distance learning (live online) <input type="checkbox"/> e-Learning (asynchronous) <input type="checkbox"/> Hybrid: _____
Pre-requisite(s)?	None
ECTS <i>Reminder: 1 ECTS = between 20 and 30hr- student workload</i>	3
Equivalent FHEQ credits	6
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.
<b>Learning Outcomes</b>	<p>By the end of this module, students should be able to:</p> <ol style="list-style-type: none"> <li>1. Analyse the economic, political, legal, and ethical challenges that climate change presents for businesses and society.</li> <li>2. Evaluate the role of major organisations and policies in global climate governance and their impact on corporate strategy.</li> <li>3. Assess climate-related risks and develop strategic approaches for businesses to mitigate environmental and financial vulnerabilities.</li> <li>4. Design sustainable business models that integrate climate-sensitive strategies to drive long-term resilience and triple bottom-line performance.</li> </ol>
<b>Competency Goals</b> <i>(Knowledge, expertise and interpersonal skills)</i>	PGE_U_CG01 - Manage teams
	PGE_U_CG02 - Steer economic performance
	PGE_U_CG03 - Develop and implement the 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
<b>Alignment with Programme Learning Goals</b>	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)*

*Last reviewed: 05/08/2025*

### Session 1: Introduction

#### Content:

- Group icebreaker
- Introduction to the module

#### References:

- Štreimikienė, D. and Mikalauskienė, 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 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 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 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 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 Mikalauskienė, 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 Mikalauskiene, 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 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 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 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 5)
- Upload a blog illustrating the impact of climate change on agriculture

**KEY TEXTS**

1. Štreimikienė, D. and Mikalauskiene, 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

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

## MODULE DESIGN TEAM

- Author: *Florian Favreau*
- Reviewer: *Cécile Sansalone*
- External Reviewer: *Sudiappu Kankanamalage Premaratne Perera*