

Module Specification

2022/23

Part A: Module Summary Information

1 Title of Module	Global Climate Change and Health
2 Module Code	TROP726
3 Academic Year	2022/23
4 Semester	2
5 Credit Level	7
6 Credit Value	20
7 Module Convenor	Lana Whittaker
8 Deputy Convenor	Imri Schattner-Ornan
9 Other Staff	Co-Deputy Convenor: Ian Madison Other staff: Louise Kelly-Hope, Charles Wondji, Chris Jones + others
10 Board of Studies	Humanitarian
11 External Examiner(s)	Dr. Pat Gibbons
12 Pre-Requisite Modules	
13 Other Pre-Requisites	Full-time Students will normally have completed Semester 1 of an LSTM Masters programme. Off-site MSc students may access this module when appropriate to their MSc schedule. Students with an academic background equivalent to that normally acquired during Semester 1 will be accepted on the module at the discretion of the Module Convenor.
14 Modules for which this is a Pre-Requisite	None
15 Co-Requisite Modules	None
16 Programme(s) for which this Module is Mandatory	None
17 Programme(s) for which this Module is Required	None
18 Programme(s) for which this Module is Optional	MHS; MPH(I); MPH-HH; MPH-MHS; MPH-OCHP

Part B: Learning & Teaching and Assessment Information

19 Aim of the Module

This module aims to provide you with knowledge and critical understanding of the effects of global climate change on human health. This knowledge will focus on the interactions between climate change and humanitarian emergencies and will explore response, mitigation and adaptation to climate change emergencies on health.

20 Overview of the Module

This module will look at the humanitarian impact of Climate Change on lives globally. As a student, you will explore the economic, political, social and environmental determinants of vulnerability to the effects of climate change and will be encouraged to examine critically, the key strategies of adaptation and mitigation.

Taking a student-centred and problem-solving approach to facilitate deep learning, core information will be presented in class and through several online platform (per need) Face-to-face seminars, groups work and tutorials will be available to students in Liverpool. The module is assessed by a 2500-word critical essay, a group presentation and an individual reflective essay. The topic may focus directly on health issues but may also revolve around other areas of concern related to climate change that have an indirect link to health. You will keep a reflective diary that documents your learning and achievement of the competencies and skills. Your reflections in the diary will contribute towards the assessed reflective summary.

21 Learning and Teaching Strategy

No.	Type	Hours	Notes
21a	Lectures	12	Live lectures in class with remote accessing option if required
21b	Seminars	24	Seminar discussions in class accessible also online per need
21c	Tutorials	14	One-to-one support with tutor face-to-face or via Skype, email etc.
21d	Laboratory Work		
21e	Field Work		
21f	Placement		
21g	Online		
21h	Assessment	25	Group work preparation and delivery
21i	Other		
21j	Independent Study	125	Directed and personal reading for assignments
	Total	200	

22 Assessment Strategy

No.	Assessment Type	Word Count	Duration (minutes)	Semester	% of Final Module Mark	Anonymous Marking	Description of Assessment
1	Written assignment	2500		2	60	Yes	Name a current/potential threat to human life/livelihood due to global climate change; critically review the complex determinants of vulnerability and appraise global frameworks/adaptation strategies to promote health/mitigate against the threat.
2	Written assignment	500		2	15	Yes	Reflect on your journey through the module: how has your learning influenced your attitudes/behaviour regarding your own carbon footprint? Indicate how you are developing your skill/competencies as a leader in tackling the health impact of climate change
3	Presentation (group)		25	2	25	No	Group presentation: based on a case study of how global climate change is affecting the nature, frequency and magnitude of humanitarian emergencies. Each member of the group will also summarise their contribution to the group presentation.

23 Achievement of Learning Outcomes

Upon successful completion of the module, students will be able to:

No.	Learning Outcome	Mode of Assessment	Method of Teaching
1	Critically discuss how global climate change is likely to affect the nature, frequency and magnitude of humanitarian emergencies.	Group presentation, individual reflective essay	Online recorded lectures, seminars, tutorials, group work, threaded discussion boards, directed reading and self-directed learning
2	Critically discuss the complex social, political, economic and environmental determinants of vulnerability to the effects of global climate change.	Individual essay, group presentation, individual reflective essay	Online recorded lectures, seminars, tutorials, group work, threaded discussion boards, directed reading and self-directed learning
3	Identify and critically analyse current and potential threats to human health and livelihoods due to global climate change.	Individual essay, group presentation, individual reflective essay	Online recorded lectures, seminars, tutorials, group work, threaded discussion boards, directed reading and self-directed learning
4	Critically appraise global frameworks and adaptation strategies to promote health and mitigate against climate-change emergencies	Individual essay, group presentation, individual reflective essay	Online recorded lectures, seminars, tutorials, group work, threaded discussion boards, directed reading and self-directed learning

24 Development of Skills and Attributes

No.	Skill or Attribute	How Developed	Assessment (if applicable)
1	Critical appraisal of evidence	Online recorded lectures, seminars, tutorials, group work, threaded discussion boards, directed reading and self-directed learning	Group presentation, individual essay
2	Critical problem-solving skills associated with climate change and related emergencies	Online recorded lectures, seminars, tutorials, group work, threaded discussion boards, directed reading and self-directed learning	Group presentation, individual essay, individual reflective essay

25 Syllabus

Topics will include:

- Introduction to climate change
- Climate change and human health: human exposure, climate change and infectious diseases, climate change and non-communicable diseases
- Climate Change and Public Health: Socio-economic, environmental and population effects, National assessments of health impacts, Monitoring the health effects of climate change, Regional case studies
- The One Health agenda
- Managing environmental hazards

- Global guidelines and legal frameworks
- Collaboration and team working
- Strategies for adaptation, mitigation of climate-change related emergencies:
 - Determinants of adaptive capacity
 - Vulnerability assessment
 - Strategies for reducing vulnerability and strengthening adaptive capacity
 - Climate and health information systems for strategic planning
 - Greenhouse gas emission trends and global debates on cost-sharing
 - Mitigation in the short, medium and long term
 - Policies, measures and instruments to mitigate climate change
 - Integrating climate change considerations into development policies
 - Current controversies and debates