

MODULE DESCRIPTOR

Module Title

Population Health			
Reference	PL3033	Version	2
Created	January 2024	SCQF Level	SCQF 9
Approved	June 2023	SCQF Points	15
Amended	August 2024	ECTS Points	7.5

Aims of Module

To provide students with an understanding of the factors impacting on the health of human and animal populations across the world.

Learning Outcomes for Module

On completion of this module, students are expected to be able to:

- 1 Describe the environmental factors which influence the occurrence of communicable diseases in humans and animals.
- 2 Explain the contribution of environmental factors to the global burden of non-communicable diseases in humans and animals.
- 3 Explain the effects of climate change and economic inequalities on the global burden of communicable and non-communicable diseases.
- 4 Describe strategies designed to improve population health in humans and animals.

Indicative Module Content

Occurrence and spread of water-, air- and food-borne microbial and parasitic diseases; zoonoses; spread of microbial and parasitic disease; malaria; cholera; dysentery; polio; HIV and AIDS; Ebola virus; zika virus; vaccinations; pollution; sanitation; water-treatment strategies; smoking; asbestos; obesity; starvation; nutrient deficiencies, including endemic iodine deficiency, vitamin A deficiency; iron; alcohol; WHO; UN and UNHCR; FAO; International Red Cross; DEFRA; OIE_WOAH; governmental approaches to promoting health; emerging challenges to population health e.g. antimicrobial resistance (AMR), climate change, biodiversity and urbanization. UN Sustainable development goals (SDGs).

Module Delivery

This module is delivered by lectures and tutorials.

Indicative Student Workload

	Full Time	Part Time
Contact Hours	36	N/A
Non-Contact Hours	114	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	150	N/A
<i>Actual Placement hours for professional, statutory or regulatory body</i>		

ASSESSMENT PLAN

If a major/minor model is used and box is ticked, % weightings below are indicative only.

Component 1

Type:	Coursework	Weighting:	100%	Outcomes Assessed:	1, 2, 3, 4
Description:	Scientific report, including lay summary				

MODULE PERFORMANCE DESCRIPTOR**Explanatory Text**

Component 1 (CW1) comprises 100% of the module grade. A minimum of a Grade D is required to pass the module.

Module Grade	Minimum Requirements to achieve Module Grade:
A	A
B	B
C	C
D	D
E	E
F	F
NS	Non-submission of work by published deadline or non-attendance for examination

Module Requirements

Prerequisites for Module	None, in addition to SCQF level 9 entry requirements or equivalent.
Corequisites for module	None.
Precluded Modules	None.

INDICATIVE BIBLIOGRAPHY

- 1 BAUERFIEND R. et al. 2015. Zoonoses: Infectious diseases transmissible from animals to humans. 1st Edition. ASM Press.
- 2 DETELS R. et al. 2021. Oxford Textbook of Global Public Health. 1st Edition. OUP.
- 3 HAINES A. and FRUMPKIN H. 2020. Planetary Health: Safeguarding human health and the environment in the Anthropocene. 1st Edition. Island Press.
- 4 LEMERY J. et al. 2021. Global Climate Change and Human Health: From Science to Practice. 2nd Edition. Jossey-Bass.
- 5 STEPHEN C. and DUNCAN C. 2022. Climate Change and Animal Health. 1st Edition. CRC Press.