

Module code

SEB-2402

Type of module

Undergraduate: Biological Sciences – Elective

Human Life and Environment



Modular credits

4

Total student
engagement

56 hours

Prerequisite

None

Anti-requisite

None

Aims

To provide students with essential concepts in environmental science, including natural patterns and human impacts. To understand the physical, biological, and chemical processes behind environmental issues while aiming to develop skills for tackling challenges and evaluating sustainability.

Module learning outcomes (MLO)

On successful completion of this module, a student will be expected to be able to:

MLO 1

Analyse how human impacts natural systems.

MLO 2

Analyse biodiversity and global change as fundamental aspects of environmental science.

MLO 3

Analyse the complex interactions within the Earth's system.

MLO 4

Analyse the human population and assess how population changes affect the environment.

MLO 5

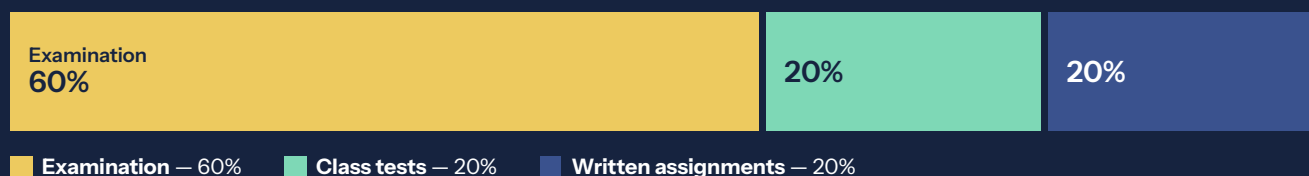
Examine and evaluate the broad scope of environmental science and develop an environmental scientist's perspective.

Module contents

Introduction to environmental science	Environmental problems and economic development	Environmental risk
Ecosystem concepts	Bioremediation and green technologies	Recycling society
Energy and earth resources	Impacts of pollution on the ecosystem	Climate change and agriculture
Atmospheric circulation and environment	Water circulation and environment	Environmental pollution and remediation
Sustainability and environmental management	Smart aquaculture	Viruses, diseases and the environment

Assessment

60% **40%**
Examination Coursework



Formative assessment

Weekly discussion and feedback

Summative assessment

COMPONENT	WEIGHTING
Examination	60%
Coursework	40%
Individual	40%
Class tests	20%
Written assignments	20%

Graduate attributes and skills

University learning objectives (ULO) addressed

B Balanced & holistic individuals	E Ethical leaders	S Sustainable thinkers	T Transdisciplinary practitioners	A Adaptable & resilient lifelong learners	R Responsible global citizens	I Innovative problem-solvers
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B, S, T, R, I

Sustainability concept addressed

14	SDG 14 Life below Water
15	SDG 15 Life on Land

Digital skills/software used (not limited to)

- eLearning platforms (e.g. CANVAS, MS Teams, Zoom)
- Microsoft Office software (e.g. Word, Excel, PowerPoint)

Micro-credentialling option No	Stackable towards GenBESTARI Undergraduate Degree Programme or other relevant Lifelong Learning Programmes No
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Document details

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