Module code	SB-2405		
Module Title	Human Life and Environment		
Degree/Diploma	Undergraduate GenNEXT Bachelor degree		
Type of Module	Breadth		
Modular Credits	4	**Total student workload**	8 hours/week
		Contact hours	2 hours /week
Prerequisite	None		
Anti-requisite	SB-4301 Conservation and Management of Living Resources		

Aims

This module is the study of patterns and processes in the natural world and their modification by human activity. Students will consider physical, biological and chemical processes to understand the current environmental problems. Students will develop the necessary skills to address the current environmental issues by examining scientific principles and their applications to natural systems. This module will survey some environmental science topics at an introductory level by considering the sustainability of human activities on the planet.

Learning Outcomes:

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

Lower order :	10%	-Describe how natural systems are affected by people -Explain biodiversity and global change, which are the integrating units of environmental science
Middle order :	10%	-Discuss complex interactions in the earth system -Identify the the human population and the ways in which changes in the population affect the environment
Higher order:	80%	- Examine and evaluate the comprehensive field of environmental science and how to think like an environmental scientist - Work and learn independently

Module Contents

- Introduction to Environmental Science
- Environmental Problems and Economic Development
- Environmental Risk
- Recycling Society
- Energy and Earth Resources
- Impacts of Pollution on Ecosystem
- Fire Impacts on Tropical Forests
- Climate Change and Agriculture
- Next-Generation Energy Technologies
- Atmospheric Circulation and Environment
- Water Circulation and Environment
- Environmental Pollution and Remediation
- Environmental Materials
- Sustainability and Environmental Management

Assessment	Formative assessment	Tutorial assignments and feedback
	Summative assessment	Examination: 0%
		Coursework: 100% - 2 written assignments (20%) - 2 essays (20%) - 4 class tests (40%) - 1 group presentation (20%)