

Module code	SB-4301		
Module Title	Conservation and Management of Living Resources		
Degree/Diploma	Bachelor of Science (Biology)		
Type of Module	Major Option		
Modular Credits	4	Total student Workload	8 hours/week
		Contact hours	6 hours/week
Prerequisite	None		
Anti-requisite	None		
Aims			
This module will help students to understand and appreciate factors that influence abundance and distribution of natural resources, human utilization and degradation of resources, the need to conserve and manage them and how environmental problems arising from the degradation of these resources may be solved.			
Learning Outcomes			
<i>On successful completion of this module, a student will be expected to be able to:</i>			
Lower order :	40%	<ul style="list-style-type: none"> -Identify the goals and perspectives of conservation biology -Relate ecological principles to conservation and societal issues -Identify the main formal and informal environmental institutions and their roles 	
Middle order :	40%	<ul style="list-style-type: none"> - Describe the main conservation issues associated with the use of landscape and seascape ecosystems in Southeast Asia -Identify societal, economic and ecological priorities in the sustainable management of ecosystem services 	
Higher order:	20%	<ul style="list-style-type: none"> - Critically discuss socio-ecological dynamics and conflicts in resource/service use and management 	
Module Contents			
<ul style="list-style-type: none"> -Introduction and principles of Conservation Biology -Forest resources and management -Principal types of forested ecosystems found in Brunei -Land degradation -Rehabilitation, plantation and reforestation -Protected areas and Brunei government departments involved -Coastal resources and anthropogenic impacts -Tropical coastal wetlands -Water catchment management -Internal hydrologic and ecological connectivity -Elements of resilience theory -Fisheries management, aquaculture, beach management -Environmental and animalist NGOs, laws and international regulations for the conservation of nature: IUCN, CITES, wildlife laws in Brunei -Ecotourism and conflicts with conservation -Environmental Impact Assessment 			
Assessment	Formative assessment	Tutorial assignments and feedback	
	Summative assessment	<ul style="list-style-type: none"> Examination: 60% Coursework: 40% - 3 practical reports (20%) - 3 written assignments (20%) 	