

Module Code	SB-2323		
Module Title	Tropical tree ecology and conservation		
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 introduce the students to practical and theoretical knowledge in tropical tree ecology and conservation through a number of seminal articles that have shaped these fields.			
Learning Outcomes			
<i>On successful completion of this module, a student will be expected to be able to:</i>			
Lower order :	10%	<ul style="list-style-type: none"> - Describe the basic principles underlying the theories developed in the fields of tropical tree ecology and conservation. - Recognise the importance of defining a good hypothesis. 	
Middle order :	10%	<ul style="list-style-type: none"> - Review a scientific paper - Identify the major flaws and strengths of scientific studies - Identify the appropriate sampling and statistical designs 	
Higher order:	80%	<ul style="list-style-type: none"> - Design a linkage of concepts and approaches to allow hypothesis testing and experimentation leading to novel discoveries. 	
Module Contents			
<ul style="list-style-type: none"> - Negative density dependence and tropical tree diversity - Niche versus neutral processes in maintaining tropical tree diversity - Tropical tree biogeography - Reforestation using framework species - Forest fragmentation impacts on tree diversity - Importance of mycorrhizal associations in tropical ecosystems 			
Assessment	Formative Assessment	Tutorials and Feedback	
	Summative Assessment	100 % course work <ul style="list-style-type: none"> - 2 class tests 30% - 1 individual mini project 20% - 2 written assignments 30% - 1 individual oral presentation 20% 	