

<b>Module code</b>	SB-4319		
<b>Module Title</b>	Tropical Parasitology		
<b>Degree/Diploma</b>	Bachelor of Science (Biology)		
<b>Type of Module</b>	Major Option		
<b>Modular Credits</b>	4	<b>Total student Workload</b>	8 hours/week
		<b>Contact hours</b>	6 hours/week
<b>Prerequisite</b>	None		
<b>Anti-requisite</b>	None		
<b>Aims</b>			
This module will give students an in-depth understanding of the biology and immunological aspects of host-parasite interactions, pathogenicity, epidemiology and molecular biological aspects of selected parasites.			
<b>Learning Outcomes</b>			
<i>On successful completion of this module, a student will be expected to be able to:</i>			
Lower order :	10%	- Describe the basic body plans of parasites and describe basic structure function relationships.	
Middle order :	10%	- Analyse and understand structure function relationships, parasite life-cycles and the principles governing their interactions with hosts.	
Higher order:	80%	- Connect the concepts and approaches in parasitology to allow a deep understanding of the evolution of life-cycles in parasites and learn the tools of predictive modelling.	
<b>Module Contents</b>			
<ul style="list-style-type: none"> <li>-Natural history</li> <li>-Epidemiology</li> <li>-Distinctive biological characteristics</li> <li>-Microscopic and submicroscopic structures and functions of selected examples of parasites that colonize different organ-systems of the host with an emphasis on tropical parasites</li> <li>-Biochemical and immunological factors involved in the pathogenesis of parasitic diseases</li> <li>-Protozoan parasites</li> <li>-Microscopic identification of blood and intestinal parasites</li> <li>-Pathoparasitology</li> <li>-Immunoparasitology</li> </ul>			
<b>Assessment</b>	Formative assessment	Tutorial assignments and feedback	
	Summative assessment	Examination: 0% Coursework: 100% - 2 class tests (40%) - 1 mini-project (20%) - 2 written assignments (20%) - 3 practical reports (20%)	