

<b>Module code</b>	SB-4316		
<b>Module Title</b>	Economic Botany		
<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>	SB-2201 Plant Form and Function		
<b>Anti-requisite</b>	SB-2401 Plants and People		
<b>Aims</b>			
This module will provide the students with an overview of plant use by people. It will promote an understanding of the interrelationships among different fields of inquiry within biology and other subjects by stressing the connections of economic botany to genetics, evolution and chemistry.			
<b>Learning Outcomes</b>			
<i>On successful completion of this module, a student will be expected to be able to:</i>			
Lower order :	20%	<ul style="list-style-type: none"> <li>- Describe how taxonomy works</li> <li>- Describe the origin and history of agriculture</li> <li>- Describe the major plant structures and adaptations</li> <li>- Describe the major plant products, their uses and processing techniques</li> </ul>	
Middle order :	60%	<ul style="list-style-type: none"> <li>- Explain the trajectory from plant to product</li> <li>- Explain the importance of plant breeding for increased production</li> <li>- Explain the importance of plant products for everyday life of people</li> <li>- Apply knowledge and know how to select potential plant candidates for commercialization</li> </ul>	
Higher order :	20%	<ul style="list-style-type: none"> <li>- Predict the results of loss of wild relatives of existing plant crops</li> <li>- Use taxonomy and plant traits to search for new plant products</li> <li>- Design cropping systems that minimize environmental damage</li> </ul>	
<b>Module Contents</b>			
<ul style="list-style-type: none"> <li>- The diversity of plants, their taxonomy and classification</li> <li>- Plant morphology and physiology</li> <li>- The history of plant breeding and agriculture</li> <li>- The use of plants and their derivatives</li> <li>- Plant product processing techniques</li> <li>- Plant nursery techniques and plantations</li> <li>- Sustainable use of plants in the future</li> </ul>			
<b>Assessment</b>	Formative assessment	Tutorial assignments and feedback	
	Summative assessment	Examination: 50% Coursework: 50% -2 practical assignments (20%) -2 class tests (20%) -2 oral presentations (10%)	