Module code		SB-4314				
Module Title		Biotechnology				
Degree/Diploma		Bachelor of Science (Biology)				
Type of Module		Major Option				
Modular Credits		4	Total student Workload 8 hours/week			
			Con	tact hours	6 hours/week	
Prerequisite		SB-2211 Genetics				
Anti-requisite		None				
non-technical	way as		r stuc	dying emerging roles and i	enetic engineering in a relatively implications of biotechnology in	
Learning Outcomes						
On successful completion of this module, a student will be expected to be able to:						
Lower order : 40% - Describe biotechnology and genetic engin						
		- Recognise the basic tools and techniques of recombinant DNA technology				
		- Describe the various roles and implications of biotechnology in agriculture,				
		food, medicine, industry and ecology				
- Recognise bioinformatics						
Middle order :	÷	- Analyse biotechnological data				
Higher order:20%- Develop competence in bioinformatics skills						
		- Work and learn independently				
Module Contents						
- Ancient, classical and modern biotechnology						
- Basic principles of recombinant DNA technology						
- Microbial biotechnology						
- Plant and animal biotechnology						
- Aquatic biotechnology						
- Medical biotechnology - Bioinformatics						
-Bioremediation						
-DNA fingerprinting						
Assessment		ative assessmen	t	Tutorial assignments and	d feedback	
		native assessme		Examination: 60%		
	00.111			Coursework: 40%		
				- 5 practical assignments	s (25%)	
				- 2 class tests (15%)	- \ /	