Module code		SC-1221					
Module Title		Fundamentals of Organic Chemistry					
Degree/Diploma		Bachelor of Science (Chemistry)					
Type of Module		Major Core					
Modular Credits		4		Total student Workload	10	hours/week	
				Contact hours	4	hours/week	
Prerequisite		None					
Anti-requisite		TG-1201 Fundamentals of Organic Chemistry for Engineers					
Aims							
To provide students with sound knowledge on the fundamentals of Organic Chemistry and the							
chemistry of alkanes, alkenes and alkynes and to apply the theories, concepts and analytical ability							
in laboratory work.							
Learning Outcomes							
On successful completion of this module, a student will be expected to be able to:							
Lower order :	30%	- recognize the different types of functional groups in organic chemistry					
		- describe the preparation and reactions of organic compounds with different					
		functional groups					
Middle order :	60%	 perform designated experiments during laboratory sessions 					
		- apply theories and concepts learnt in the interpretation of experimental					
		observations and results					
		- interpret IR, NMR, MS spectra					
Higher order:	10%	% - present experimental reports in a clear and concise manner					
Madula Canta		- work independently or collaboratively as a team					
Fundamentals in examine chemistry. Structures and handling hybridization preparties of anomic							
- Fundamentals in organic chemistry: Structures and bonding, hybridization, properties of organic							
- Stereochemistry: Different types of isomers including stereoisomers							
- Selected organic compounds and their reactions: Alkanes alkenes and alkynes their synthesis							
reaction mechanisms and spectroscopic properties							
Assessment	Form	ative	Wee	kly Tutorial Sessions and Discussion			
	assessment						
	Sumr	native	Exam	nination: 60%			
asses		sment	Cour	sework: 40%	rk: 40%		
			- 3 In	dividual Practical Reports (20%)			
			- 2 In	dividual Written Assignments (10%)		
			- 2 Cl	ass Tests (10%)			