	SC-4330					
	Synthesis and Reactions of Carbocyclic Rings					
a	a Bachelor of Science (Chemistry)					
9	Major O	ption				
Modular Credits		Тс	otal student Workload	5	hours/week	
		Co	ontact hours	2	hours/week	
Prerequisite Nor		ne				
Anti-requisite SC-432			Carboxylic Rings and Multistep Syntheses			
Aims						
To provide students with sound knowledge on carboxylic rings in organic chemistry and pericyclic						
reactions.						
Learning Outcomes						
On successful completion of this module, a student will be expected to be able to:						
40%	- describe the properties and synthesis of different sized cyclic organic					
	compounds					
40%	- apply named reactions, theories and concepts learnt					
20%	- present selected named reactions					
	- work independently or collaboratively as a team					
Module Contents						
- Carbocyclic rings: Different types of cyclic organic compounds and their properties						
- Synthesis: Factors affecting the ease of ring closure including the Baldwin Rules, synthesis of						
different sized rings						
- Nameu reactions. Equations and Mechanisms Dericyclic reactions: Synthesis of carboxylic rings in the absence of reactive intermediates						
- Teneyene reactions. Synthesis of carboxyne migs in the absence of reactive intermediates						
ment Formative Weekly Tutorial Sessions and Discussion						
asses	sment	,				
Sumn	native	Examination: 60%				
asses	sment	Coursework: 40%				
	- 1 Individual Presentation (5%)					
		- 2 Indiv	2 Individual Written Assignments (15%)			
		- 2 Class	Class Tests (20%)			
	a a s ents v mes omple 40% 20% ts ngs: D ctors : d ring ons: E ctions Form asses Sumn asses	SC-4330 Synthesi a Bachelor Major O s 2 None SC-4326 ents with sound mes ompletion of the 40% - describe compour 40% - describe compour 40% - apply na 20% - present - work ind ts ngs: Different to ctors affecting to drings ons: Equations ctions: Synthes Formative assessment Summative assessment	SC-4330 a Bachelor of Scient a Bachelor of Scient a Bachelor Option s 2 To c None SC-4326 Carboxyl ents with sound knowle mes ompletion of this module 40% - describe the propounds 40% - apply named rea 20% - present selected - work independen tts ngs: Different types of control ctors affecting the ease drings ons: Equations and Mecontrol ctions: Synthesis of carb Formative Weekly assessment Coursev Summative Examina assessment Coursev - 1 Indiv - 2 Class	SC-4330 Synthesis and Reactions of Carbocyclic Rings a Bachelor of Science (Chemistry) Major Option s 2 Total student Workload Contact hours None SC-4326 Carboxylic Rings and Multistep Syntheses ents with sound knowledge on carboxylic rings in organi mes ompletion of this module, a student will be expected to b 40% - describe the properties and synthesis of differen compounds 20% - present selected named reactions - work independently or collaboratively as a team ts ngs: Different types of cyclic organic compounds and the ctors affecting the ease of ring closure including the Bal d rings ons: Equations and Mechanisms ctions: Synthesis of carboxylic rings in the absence of reasessment Summative assessment Examination: 60% Summative assessment Examination: 60% Summative assessment Coursework: 40% - 1 Individual Written Assignments (15%) - 2 Class Tests (20%)	SC-4330 Synthesis and Reactions of Carbocyclic Rings a Bachelor of Science (Chemistry) a Major Option s 2 None 2 SC-4326 Carboxylic Rings and Multistep Syntheses ents with sound knowledge on carboxylic rings in organic chemic mes ompletion of this module, a student will be expected to be able to compounds - apply named reactions, theories and concepts learnt 20 - present selected named reactions - work independently or collaboratively as a team tts ngs: Different types of cyclic organic compounds and their prop ctors affecting the ease of ring closure including the Baldwin Red trings ons: Equations and Mechanisms ctions: Synthesis of carboxylic rings in the absence of reactive in Formative assessment Weekly Tutorial Sessions and Discussion Summative Examination: 60% assessment Coursework: 40% - 1 Individual Presentation (5%) - 2 Individual Written Assignments (15%)	