Faculty	Arts and Humanities			
Home Department	Geography, Environmental Studies and Tourism			
Module Topic	Geographic Information Systems			
Generic Module Name	Geography 323			
Alpha-numeric Code	**GES323**			
NQF Level	7			
NQF Credit Value	10			
Duration	Semester			
Proposed semester to be offered	First Semester			
Programmes in which the module will be offered	BA (2101)			
Year level	3			
Main Outcomes	On completion of this module students should be able to: • Describe the components and capabilities of a good GIS. • Explain the basic measures and analytical methods available in GIS. • Demonstrate the principles of good map design. • Compare the advantages and disadvantages of different data sources. • Evaluate the suitability of vector and / or raster based data models for specific tasks. • Develop and undertake spatial analyses of your own design.			
Main Content	• Theoretical principles of GIS • Methods of spatial analysis • Fundamentals of map design • Applications of GIS • Data types and sources used in GIS			
Pre-requisite modules	GES226 with minimum 60% final mark			
Co-requisite modules	None			
Prohibited module Combinations	None			
Breakdown of Learning Time	**Hours**	**Timetable Requirement per week**		**Other teaching modes that does not require time-table**
Contact with lecturer / tutor:	14	*Lectures p.w.*	1	
Assignments & tasks:	20	*Practicals p.w.*	2	
Practicals:	24	*Tutorials p.w.*	0	
Assessments:	12			
Selfstudy:	30			
Other:	0			
Total Learning Time	**100**			
Methods of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			
Assessment Module type	Continuous and Final Assessment (CFA)			