Faculty	Arts			
Home Department	Geography, Environmental Studies and Tourism			
Module Topic	Introduction to the Principles of Remote Sensing.			
Generic Module Name	Geography 330			
Alpha-numeric Code	**GES330**			
NQF Level	7			
NQF Credit Value	10			
Duration	Semester			
Proposed semester to be offered.	Second 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: • Explain the physical principles and concepts underlying common forms of remote sensing • Describe the sources, nature and characteristics of common forms of remote sensing data • Locate sources of technical information about satellites, sensors and applications • Be aware of new developments and trends in earth observation • Perform a range of key digital image analyses using specialist software • Interpret the information provided by digital imagery for a range of applications and prepare reports that incorporate outputs from digital image analysis software • Describe how remote sensing is being used for a range of disciplines and applications • Choose appropriate forms of remote sensing and recommend analyses for particular applications			
Main Content	• To introduce students to the theoretical and practical concepts of Geo- information and Earth Observation. The content includes: • Principles of Remote Sensing, • Sensor characteristics, • Field observations, • Data gathering and quality assurance, • Forms of Remote Sensing, • Digital image data processing, • Image classification, • Applications of Remote Sensing			
Pre-requisite modules	GES226 with minimum 60% final mark			
Co-requisite modules	GES323			
Prohibited module Combination	None			
Breakdown of Learning Time	**Hours**	**Time-table Requirement per week**		**Other teaching modes that does not require time-table**
Contact with lecturer / tutor:	36	Lectures p.w.	1	
Assignments & tasks:	0	Practicals p.w.	1 x 2hr	
Practicals:	24	Tutorials p.w.		
Assessments:	16			
Selfstudy:	24			
Other: Please specify	0			
Total Learning Time	**100**			

Method of Student Assessment	Continuous assessment (CA): 50% Final assessment (FA): 50%
Assessment Module type	Continuous and final assessment (CFA)