

Module code	AW-2307		
Module Title	Introduction to Spatial Information Systems		
Degree/Diploma	Bachelor of Arts (Geography, Environment and Development Studies)		
Type of Module	Major Option/Breadth		
Modular Credits	4	Total student workload	8 hours/week
		Contact hours	4 hours/week
Prerequisite	None		
Anti-requisite	None		
Aims			
To learn theories of space, concepts and methods of spatial representation and meaning, as well as some ways to produce, use and analyse spatial information			
Learning Outcomes:			
<i>On successful completion of this module, a student will be expected to be able to:</i>			
Lower order:	40%	<ul style="list-style-type: none"> - Understand concepts and theories of space - Become familiar with some applications of spatial information, such as Google Earth and Open Street Map 	
Middle order:	30%	<ul style="list-style-type: none"> - Apply spatial theories and concepts to understand how and why spatial information systems are developed and used - Use spatial information applications to represent and visualise material, on-the-ground realities - Identify and analyse the co-construction of material and represented space 	
Higher order:	30%	<ul style="list-style-type: none"> - Analyse the potential and actual factors for and ramifications of the various ways space is represented and visualised - Interpret spatial meaning and significance using spatial data - Communicate understanding of the mutual shaping of the world and spatial representations - Independently explore and learn further applications and implications of spatial information systems 	
Module Contents			
<ul style="list-style-type: none"> - Spatial concepts and theories - Representation and visualization of space - Interpreting spatial representations - Spatial information systems - development, applications and implications - Environmental, urban and economic applications of spatial information systems 			
Assessment	Formative assessment	Weekly practical exercises using various location-based software and applications will be carried out to familiarize students with spatial information systems	
	Summative assessment	Examination: 50% Coursework: 50% -1 project (20%) -2 tests (30%)	