

Faculty	Arts and Humanities		
Home Department	Geography, Environmental Studies and Tourism		
Module Topic	Understanding rivers of Southern Africa		
Generic Module Name	Geography 329		
Alpha-numeric Code	GES329		
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), BA Extended Programme (2612)		
Year level	3		
Main Outcomes	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> • Describe the hydrology of a river catchment and explain what factors are likely to result in downstream flooding. • Understand factors that control river discharge and explain how flow velocity varies with river slope and shape. • Contrast the dominant processes and morphology of alluvial, gravel, bedrock and mixed bedrock rivers. • Describe the geomorphology of rivers, floodplains and wetlands from aerial photography and maps. • Use geomorphic and hydrological data to classify river style. • Evaluate methods of river management given a variety of geomorphic conditions. • Critique the goals of river rehabilitation. 		
Main Content	<p>Hydrological cycle of a catchment,</p> <ul style="list-style-type: none"> • The relationship between discharge, slope, velocity and river shape, • The erosion, transport and deposition of sediment • A comparison of alluvial, gravel, bedrock and mixed bed rivers • Floodplain and wetland morphology • An introduction to the fluvial styles framework with a focus on SA rivers • Threats to river health – in stream vs catchment impacts • Approaches to river management • Approaches to river rehabilitation 		
Pre-requisite modules	GES226		
Co-requisite modules	None		
Prohibited module Combination	None		
Breakdown of Learning Time	Hours	Timetable Requirement per week	Other teaching modes that does not require time-table
<i>Contact with lecturer / tutor:</i>	36	<i>Lectures p.w.</i>	1
<i>Assignments & tasks:</i>	24	<i>Practicals p.w.</i>	2
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	
<i>Assessments:</i>	16		
<i>Selfstudy:</i>	24		
<i>Other:</i>	0		
Total Learning Time	100		
Methods of Student	Continuous Assessment (CA): 50%		

Assessment	Final Assessment (FA): 50%
Assessment Module type	Continuous and Final Assessment (CFA)