



# **GWANDA STATE UNIVERSITY**

**FACULTY OF ENGINEERING AND ENVIRONMENT**

**DEPARTMENT OF GEOMATICS AND SURVEYING**

**SPATIAL PLANNING**

**ESG 5107**

**Final Examination Paper**

**November 2024**

This examination paper consists of 2 pages

**Time Allowed: 3 hours**

**Total Marks: 100**

**Examiner's Name: Dr. N. Muleya**

## **INSTRUCTIONS**

**Answer ALL questions in chronological order**

<b>QUESTION 1: 25 marks</b>			
	a	Using examples and illustrations, demonstrate your understanding of 'spatial planning'	10
	b	'Urban planning and land surveying professions constitute the backbone of spatial planning'. Discuss.	15
<b>QUESTION 2: 25 marks</b>			
		There is proposal to develop Gwanda State University, Epoch Mine Campus into a university town. You are required to prepare a master plan for Gwanda State University, according to the 'Regional Town and Country Planning Act [Chapter 29:12]. In light of your knowledge and experience of the University environment:	
	a	Prepare a miniature Report of Study	7
	b	Prepare a miniature Written Statement	8
	c	Design sketch diagrams/maps showing both the existing and proposed land uses.	10
<b>QUESTION 3: 25 marks</b>			
	a	Distinguish between a layout plan and pegging plan	5
	b	You are required to write a residential layout plan report.	
	i	Describe and explain the contents of the layout plan report	12
	ii	Justify the need for the layout plan report	8
<b>QUESTION 4: 25 marks</b>			
	a	Evaluate the geomatics techniques used in site analysis	15
	b	Examine the view that 'site analysis is a prerequisite for spatial planning'.	10

**END OF EXAMINATION**