GWANDA STATE UNIVERSITY.

FACULTY OF ENGINEERING AND THE ENVIRONMENT.

DEPARTMENT OF GEOMATICS AND SURVEYING.

Professional Ethics and Business Concepts for Geomatics.

ESG5206.

Final Examination Paper

JUNE 2026

Examiner's Name: Miss M.M.Shoko.

This examination paper consists of 3 pages.

INSTRUCTIONS

1. *Answer any 4 Questions.*
2. Time allowed 3 hrs.
3. **TOTAL MARKS 100**

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	Question 1 – Professional Legislation and Regulations (25 marks)	
a)	What is the purpose of the land surveyors act of Zimbabwe?.	5
b)	List three ways the act regulates professional practice.	5
c)	Describe how the engineering council of Zimbabwe act promotes ethical standards.	10
d)	Analyse the effectiveness of legislation in ensuring accountability.	5
	Question 2 – Codes of Ethics and Professional Conduct (25 marks)	
a)	Define ethical decision-making in geomatics.	5
b)	List three ethical dilemmas faced by surveyors.	5
c)	Describe how the surveyors' code of ethics guides professionals in maintaining integrity.	10
d)	Distinguish between ethical codes and statutory regulations.	5
	Question 3 – Social Responsibilities, Health, and Environment (25 marks)	
a)	What are the main occupational health and safety concerns in geomatics?.	5
b)	List three responsibilities of surveyors in Zimbabwe's infrastructure development.	3
c)	Describe how sustainable development influences geomatics projects.	7
d)	Analyse the role of environmental stewardship in Zimbabwe's rural land projects.	10

	Question 4-Employment Equity and Labour Law (25 marks)	
a)	What is employment equity?.	5
b)	List three principles of employment equity in Zimbabwe.	5
c)	Describe how the Labour Act protects workers in geomatics industries.	10
d)	Analyse how equity policies promote inclusivity in engineering firms.	5
	Question 5-Intellectual and Industrial Property (25 marks)	
a)	Define intellectual property and industrial property.	5
b)	List examples of each under Zimbabwean law.	5
c)	Describe how IP protection benefits geomatics professionals.	10
d)	Distinguish between Zimbabwean IP rights and international practice.	5

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