COURSE STRUCTURE

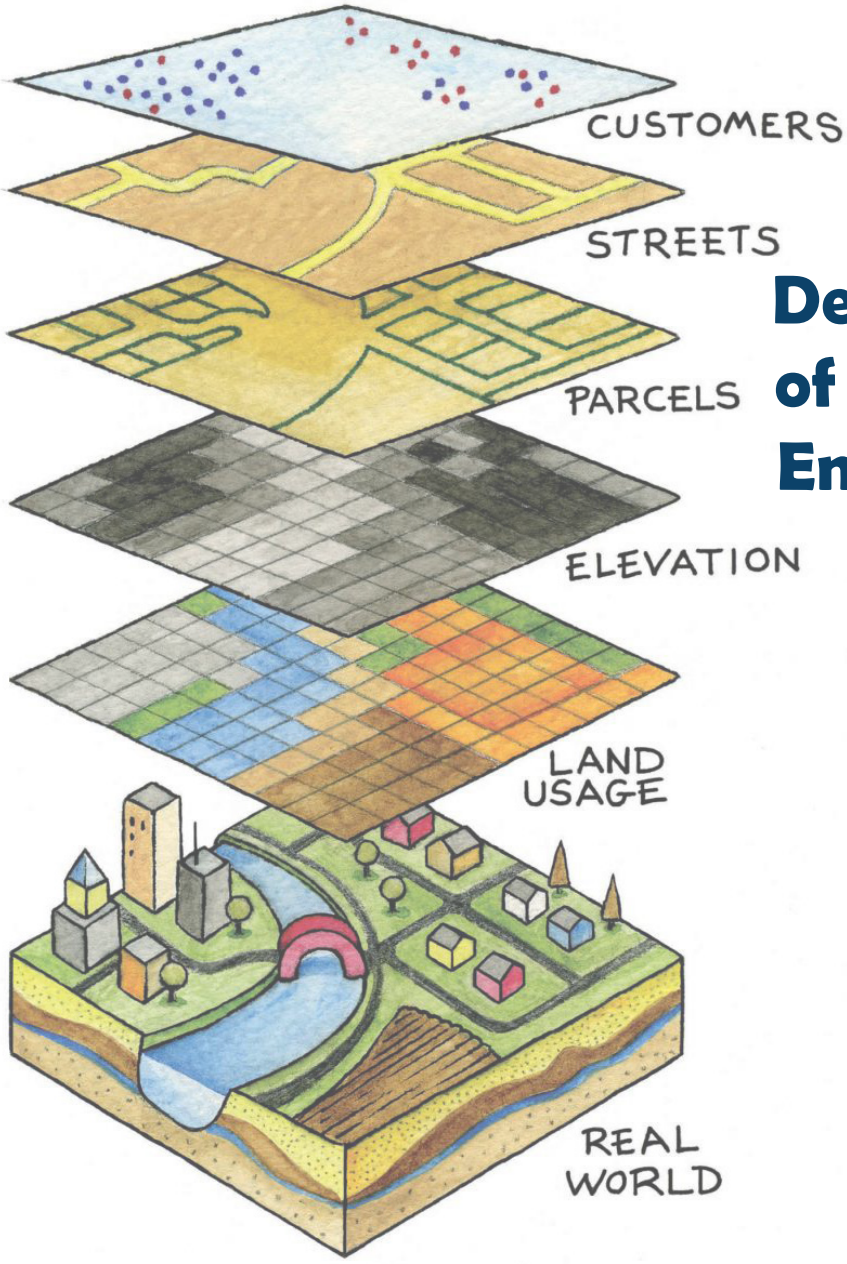
YEAR ONE SEMESTER ONE	
GE 521	FUNDAMENTALS OF GEOGRAPHIC INFORMATIONa SYSTEMS
GE 523	FUNDAMENTALS OF REMOTE SENSING
GE 525	GEOSPATIAL DATA CAPTURE AND PROCESSING
GE 527	APPLIED MULTIVARIATE STATISTICAL ANALYSIS
GE 529	PROFESSIONAL ETHICS AND PROJECT MANAGEMENT
GE 597	RESEARCH METHODS
YEAR ONE SEMESTER TWO	
GE 560	LAND INFORMATION SYSTEMS
GE 562	PRINCIPLES OF LAND ADMINISTRATION
GE 564	LAND POLICY AND LAND MANAGEMENT
GE 566	LAND INFORMATION INFRASTRUCTURE
GE 568	GEO-INFORMATION MODELLING FOR LAND ADMINISTRATION
YEAR TWO SEMESTER ONE & TWO	
GE 651/652	MSc. THESIS

MODE OF APPLICATION

Suitably qualified persons can apply through the KNUST admissions portal at www.knust.edu.gh/admissions

FURTHER DETAILS

For more information, please contact **+233 322 495 269** or Email geomatics@knust.edu.gh



KWAME NKRUMAH UNIVERSITY OF SCIENCE AND TECHNOLOGY GHANA

Department of Geomatic Engineering

College of Engineering
KNUST, Kumasi, Ghana

MSc. GEOMATIC ENGINEERING

LAND ADMINISTRATION MANAGEMENT Option

ABOUT DEPARTMENT

Geomatic Engineering is a field of activity that integrates the acquisition, processing, analysis, display and management of spatial information. It includes the disciplines of Photogrammetry and Remote Sensing, Land and Engineering Surveying, Geographic Information Systems (GIS), Cartography, Geodesy, Hydrography, Cadastral Surveying and Land Information Management. It is an exciting grouping of subjects in the spatial and environmental information sciences with a broad range of employment opportunities in fields such as civil engineering, cartography, assets management, monitoring environmental hazards, etc.

In view of the broad disciplines of Geomatics, the MSc. Geomatic Engineering program is structured for students to specialize in one of four options, one of which is Land Administration Management.

The aim of the program is for students to understand and apply concepts and technologies in managing cadastre, land tenure systems, land conflict management and land use planning in a sustain able manner.

OBJECTIVE

At the end of the program, students are expected to:

- Understand the social, economical and environmental importance of land and the land administration process as pertains to particular country situations
- Understand and design Land Information Systems(LIS) for land administration and evaluate its challenges in cross-organisational environments
- Design land administration systems for specific country contexts
- Understand the application of geospatial technology to land administration systems
- Examine the role of government intervention and policy in creating conditions for sustainable land management
- Analyse local and overseas approaches to land administration in both developed and developing country contexts for sustainable development

DURATION

The MSc Geomatic Engineering – (Land Administration Management option) shall be of two (2) years duration. The first year will be two (2) semesters of taught courses and the second year will be for supervised research and thesis report preparation.