

## **DOCTOR OF PHILOSOPHY (PHD)**

### **SUSTAINABLE LAND MANAGEMENT (SLM)**

#### **About the Programme**

Land is our foremost natural resource. The sustainable management of land is a prerequisite to unlocking the value of that land and spurring economic development. Thus, our ability to manage land resources will inure to the sustainable development of the country. However, many countries across the globe are currently grappling with land degradation challenges in all facets of resource development in urban and rural areas.

To halt and reverse the current trends in land degradation, there is an urgent need to enhance national capacities to map and measure degraded lands on one hand and identify and implement appropriate interventions and monitoring approaches on the other hand. Increased access to large Earth Observation datasets, targeted data products, improved analytical capacity and practical tools are needed, in this regard, to help countries set and implement targets to achieve Land Degradation Neutrality (LDN).

To this end, The Parties to the United Nations Convention to Combat Desertification (UNCCD) have invited the support of the Group on Earth Observation (GEO) in using Earth Observation for monitoring and reporting on LDN (the GEO-LDN Initiative). Hence, the University of Energy and Natural Resources (UENR), in collaboration with the GEO, and UNCCD, has designed the PhD Sustainable Land Degradation Management to help all countries to develop the capacity to address land degradation issues and build synergies between efforts.

#### **Programme Duration**

The PhD Sustainable Land Management (PhD-SLM) programme shall be a maximum of four (4) year duration. The first year comprises of two (2) Semesters of taught courses and the remaining 3 years are dedicated for research and thesis report writing.

## **Entry Requirement**

Prospective applicant must:

- a. Be a graduate of any recognised accredited institution.
- b. Have graduated with an MSc with research OR an MPhil in the following relevant areas: Land Management / Economy, Geomatic Engineering, Geoinformation Science, Natural Resources, Environmental Science / Engineering / Management / Studies, Agricultural Science / Engineering, Planning, Geography, Earth Sciences, Geology, Mining, and Climate Science.
- c. Proven ability to undertake rigorous research in key relevant areas to specified by the faculty and its partners.
- d. Demonstration of previous or ongoing research work of international, national or local relevance to sustainable land management.

Exceptional Second year MPhil/MSc students may be upgraded into the PhD programme upon recommendation from the programmes Coordinator and the Schools Board.

## **Details of Course Structure**

**Table 2. Year One, Semester One: All Courses are Core**

<b>Code</b>	<b>Course</b>
<b>Year 1</b>	
SLMT 801	Economics of Land Degradation
SLMT 802	Advance Research Methods
SLMT 803	Land Rehabilitation & Value Addition
SLMT 804	Advanced Methods for Monitoring & Mapping Land Degradation
SLMT 805	Geographic Information Systems
SLMT 806	Remote Sensing II
SLMT 807	Remote Sensing I
SLMT 808	GIS-Based Spatial Analysis of Degraded Lands
SLMT 809	Land Governance
SLMT 812	Ethnoecology & Land Management
SLMT 814	Land Use and Adaptation Planning
SLMT 816	Environmental & Social Impacts Management
<b>Year 2-Year4</b>	
SLMT 820	Seminar I: Proposal Presentation
SLMT 830	Seminar II: Presentation of Results
SLMT 840	Thesis

**NOTE:** Student with relevant background knowledge in Programming, GIS and Remote Sensing may skip these courses in the first semester. To make up for the minimum credit load, the student **MUST** take a minimum of five (5) courses in the second semester.

### **Employment Opportunity**

Graduates of the LDN programmes shall have an added advantage to gaining employment at all levels of the United Nations Agencies and Commissions, International Organisations and NGOs, State Governmental Agencies responsible for Land and Natural Resources, the Private sector and industries such as;

- i. Mining,
- ii. Agriculture,
- iii. Forestry and
- iv. Energy

Subject to agency-specific naming conventions, graduates could be employed to perform roles such as

- i. Environmental Analysts,
- ii. Resource Analysts,
- iii. Land Managers,
- iv. Project/Programme Managers,
- v. Monitoring,
- vi. Evaluation Manager,
- vii. etc.

### **Application Procedure**

Application forms may be obtained online at [admission@uenr.edu.gh](mailto:admission@uenr.edu.gh) after purchasing an eVoucher when applications are opened.

Completed documents should be sent by courier services to:

The Secretary

School of Graduate Studies

UENR, Box 214 Sunyani-Ghana

For further details visit the university website on [www.uenr.edu.gh](http://www.uenr.edu.gh).

**Contact** the programmes coordinator on:

**Tel:** +233 543311515; **Email:** [abdul-wadood.moomen@uenr.edu.gh](mailto:abdul-wadood.moomen@uenr.edu.gh); or

**The School of Graduate Studies** on: **Tel:** +233 243648168; **Email:** [srgs@uenr.edu.gh](mailto:srgs@uenr.edu.gh)