

MASTER OF PHILOSOPHY (MPHIL) / MASTER OF SCIENCE (MSC.)

IN

LAND DEGRADATION NEUTRALITY (LDN)

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 UNCCD have invited the support of 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 MPhil/ MSc. LDN to help all countries develop the capacity to address land degradation issues and build synergies between efforts:

Programme Duration

1. The Master of Science in Land Degradation Neutrality (MSc– LDN) programme shall be of one (1) year duration. The year will be of two (2) Semesters of taught courses and a semester paper to be submitted for credit award.

2. The Master of Philosophy in Land Degradation Neutrality (MPhil – LDN) programme 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 research and thesis report preparation and submission.

Entry Requirement

Prospective applicant must:

- a. Be a graduate of any recognised accredited institution.
- b. Have a minimum of 2nd Class (lower division) Honours in the following relevant areas: Land Management / Economy, Geomatic Engineering, Geoinformation Science, Natural Resources, Environmental Science / Engineering / Management / Studies, Planning, Geography, Agricultural Science / Engineering, Earth Sciences, Geology, Mining, and Climate Science.
- c. Proven ability to undertake scientific research within the stipulated duration.

Details of Course Structure

Code	Courses
MSc/MPhil Year 1	
GLDN 701	Land Tenure and Administration
GLDN 702	Advanced Research Methods
GLDN 703	Land Degradation Neutrality
GLDN 704	Methods for Monitoring & Mapping Land Degradation
GLDN 705	Techniques for Degraded Land Rehabilitation
GLDN 706	Applied Geographic Information Systems and Remote Sensing
GLDN 707	Geographic Information Systems
GLDN 708	Land Use Planning and Management
GLDN 709	Remote Sensing
GLDN 711	Computer Programming
GLDN 712	Geoinformatics for Disaster Risk Management
GLDN 714	Gender and Sustainable Land Management
GLDN 716	Land Law and Policy
GLDN 718	Conflict Resolution
MPhil Year 2	
GLDN 720	Thesis Seminar
GLDN 730	MPhil. Thesis
GLDN 750	Project Work

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 gain 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 technicians,
- vii. etc.

Application Procedure

Application forms may be obtained online at admission@uenr.edu.gh after purchasing an eVoucher when applications are opened.

Completed documents 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.

Contact: The programmes coordinator on:

Tel: +233543311515; **Email:** abdul-wadood.moomen@uenr.edu.gh.

OR

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