

Professional Master IN Natural Resources Management for Desert Development (NRMDD)

NRMDD is an outcome of the SuReMap Erasmus+ project that includes a consortium of 8 Egyptian and European universities. The program is cooperatively designed by the consortium, therefore; it has the advantage of the international and interdisciplinary perspective, European framework of recognition, and benefits from a wide network of the participating professors from the following universities:

- Alexandria University
- Aswan University
- Heliopolis University
- Palermo University
- RWTH Aachen University
- Technical University of Madrid
- The American University in Cairo
- University Of Sheffield

SuReMap: “Sustainable Resource Management Program to Solve Deserted Challenges” The master degree is under the framework of the SuReMap Erasmus + . SuReMap aims to establish interdisciplinary programs that train students to address water, energy and food-related challenges in Egypt.s 2030 strategy.

The general framework of the program

This program is distinct as it combines agricultural, engineering and economic science curricula to manage natural and sustainable resources for the cultivation and reclamation of desert lands using modern technological methods and using renewable energy such as solar energy, by qualifying graduates from various scientific disciplines such as agriculture, science, engineering, fisheries, veterinary medicine and other corresponding colleges she has. This program allows students to benefit from faculty with different backgrounds in environmental sciences, engineering, planning, and agriculture. The program also includes some other applied disciplines, such as climate change, organic and ecological farming systems, agricultural water management, renewable energy, and climate-smart agriculture.

Aswan University



RWTH Aachen University



Heliopolis University



Aswan University



Alexandria University



Technical University of Madrid



University of Palermo



International Faculty
CITY College.

University Of Sheffield



SEKEM Energy



SEKEM DEVELOPMENT
FOUNDATION



ISIS Organic



LOTUS ORGANIC HERBS
AND SPICES

Program aims

The NRMDD program targets graduates of practical colleges such as agriculture, engineering, science, fisheries technology and veterinary medicine to provide them with knowledge and skills in the fields of agriculture and land reclamation.

The program aims to:

- The vision of Egypt's Vision 2030
- Providing students with basic information for managing and exploiting natural and sustainable resources for desert cultivation.
- Training students on desert cultivation methods using modern technology.
- Training students to benefit from renewable energy in operating agricultural machinery and equipment.
- Training of students relevant to participation and post-experience in sustainable resource management

Vision

A distinguished international program specialized in the management of natural and sustainable resources for the reclamation and cultivation of desert lands.

Mission

To qualify a distinguished graduate who is able to use modern technology and renewable energy to reclaim and cultivate desert lands.

SuReMap: “Sustainable Resource Management Program to Solve Deserted Challenges” The master degree is under the

Program structure

Study duration is two years (4 semesters). The student completes 60 ECTS of core courses, 30 ECTS of elective courses, and 30 ECTS for M.Sc. thesis.

SEMESTER 1 AND 2: 60 ECTS OF CORE COURSES

- Sustainable Development
- Sustainable Water Resource Management
- Sustainable Energy Resources and Management
- Sustainable Agriculture and Food Security
- Land Reclamation
- Green Entrepreneurship and Agribusiness
- Hydrology
- Desertification and Soil Deterioration
- Solar Energy
- Smart Agricultural Applications in Desert Land

SEMESTER 3: 30 ECTS OF ELECTIVE COURSES

- Food Quality Control
- Water Quality Management
- Hydraulics and Control
- Computational Methods in Energy Technology
- Economics of Reclamation Projects
- Agricultural Marketing
- GIS and Remote Sensing
- Sustainable Agriculture Biotechnology
- Reclamation of degraded Soils
- Machinery and Equipment's for Land Reclamation
- Recycling of Agricultural Wastes
- Sustainable Farming systems: Hydro and aquaponics

SEMESTER 4: 30 ECTS FOR M.Sc. THESIS.

Apply

Apply at: Office of Graduate Studies Affairs, Faculty of Agriculture and Natural Resources- Aswan University, Sahary, 81528 , Aswan, Egypt,



The Study System

1. The study system followed is the European Credit Hour System (ECTS).
2. The language of study is English.
3. The duration of study in the program is two full academic years, including the summer semester.

Contact

Tel: (+2)097 3480245

Fax: (+2)097 3480245 fax

Web: <https://agr.aswu.edu.eg>.