



جامعة الإسكندرية
ALEXANDRIA
UNIVERSITY
Faculty of Science

M.Sc. in Natural Resources Sustainability for Land Development (NRSLD)

Under the framework of the
SuReMap Erasmus+ project



*Quality Education Intertwined with
Cultural Advancement*

SuReMap

(Sustainable Resource Management
Programme to solve Deserted Challenges)

Aims to establish interdisciplinary programs
that train students to address water, energy &
food-related challenges in "Egypt's 2030
strategy".



Follow Us:

Website: <https://suremap.eu/>
Facebook: www.facebook.com/suremapproject/
LinkedIn: www.linkedin.com/company/suremap-project/

APPLY

Apply at:

Office of Graduate Studies Affairs
Faculty of Science - Alexandria University
1 Bagdad Street, Moharram Beck
21511 Alexandria, Egypt
mob: +20 102 294 2244

CONTACT US

Dr. Marwa Waseem A. Halmy
marwa.w.halmy@alexu.edu.eg

Ms. Amira Ahmed Maher Hotaiba
amira.hotaiba@alexu.edu.eg
mob: +201201096395

Department of Environmental Science
Faculty of Science - Alexandria University



Program Structure

NRSLD PROGRAM

Vision

NRSLD program aims to prepare students with the knowledge and experience for the management and sustainable development of drylands' natural resources in the local, regional, and international related sectors.

Mission

The Faculty of Science through NRSLD program seeks to qualify the graduates to be competitive at local, regional, and international levels, by creating an appropriate educational environment and fostering ethically, scientifically and professionally sound approaches that enable graduates to serve the community and the institutions closely related to sustainable development plans.

SuReMap Consortium

NRSLD 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 participating professors from the following universities:

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

2 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 & 2: 60 ECTS CORE COURSES

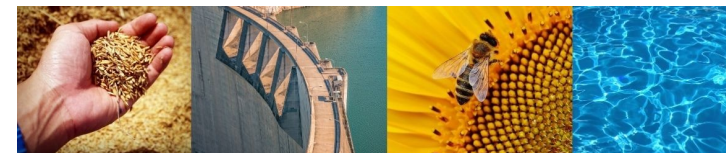
- Introduction to Sustainability Management
- Sustainable Development
- Sustainable Water Resources Management
- Sustainable Energy Resources and Management
- Sustainable Management of Marginal Drylands
- Sustainable Farming Systems: Hydro and Aquaponics
- Green Entrepreneurship and Agribusiness
- Environmental Hydrology
- Projects Management
- Scientific Methodologies and Research Ethics

Semester 3: Select 30 ECTS of Elective Courses

- Hydrogeology
- Climate Smart Agriculture and Crop Adaptation
- Solar Energy Systems
- Environmental and Resource Economies
- Integrated Cropping Systems in Drylands Farming
- RS & GIS for Natural Resources Management
- Environmental Management and Legislations
- Sustainability Issues and Challenges
- Sustainable Community-based Natural Resources Management
- Toward a Sustainable Global Food system
- Irrigation and Drainage Engineering: Sustainable Strategies and Systems
- Recycling of Wastes
- Land Degradation and Sustainable Agriculture
- Land suitability & Land Use Planning
- Desert Land Reclamation

SEMESTER 4: 30 ECTS FOR M.SC. THESIS

NRSLD is designed to comply with the Bologna Declaration and according to the demands of the Strategic Frameworks for European Cooperation in Education and Training (ET 2020).




Language

English is the medium of instruction. Students are expected to demonstrate an acceptable level of English proficiency.

Admission Requirements:

Holds a B.Sc. in science, agriculture, or engineering with a minimum CGPA of 2.33 (Good) from an Egyptian, Arab, or Foreign Higher Education Institution.

