



Template for Evidence(s) UI GreenMetric Questionnaire

University : Alexandria University

Country : Egypt

Web Address : www.alexu.edu.eg

[6] Education and Research (ED)

[6.1] Number of Courses/Subjects Related to Sustainability Offered

Alexandria University offers a group of courses related to the environment and sustainability in various sectors, in line with the state's strategies to achieve sustainable development goals and to achieve the goals of linking science with industry and qualifying the graduate to find job opportunities commensurate with the field of specialization. The university works to qualify the graduate by providing various awareness and training programs during the study period. The university also provides a distinguished group of postgraduate programs that are compatible with their counterparts in international universities, as indicated by the indicator data for this standard.

- Physicochemical Processes in Environmental Engineering
- Sustainable Built Environment
- Sustainable Water Resources Development
- Environmental Sampling and Analysis
- Unit Operation for Environmental Engineers
- Thermodynamics for Environmental Engineers
- Environmental Microbiology
- Environmental Aquatic Chemistry
- Environmental Organic Chemistry
- Climate Change
- The Nile; Environments, Limnology & Human Use
- Site Assessment and Remediation
- Climate Systems
- Advanced Environmental Engineering
- Integrated Environmental Assessment
- Environmental Impacts of Power Generation
- Environmental Sensor Informatics
- Cities and the Challenge of Sustainable Development
- Green Entrepreneurship and Agribusiness
- Sustainable Energy Resources and Management
- Sustainable Management of Marginal Drylands
- Sustainable Farming Systems: Hydro and Aquaponics
- Sustainable Development
- Environmental Hydrology
- Projects Management
- Fundamentals of environmental sciences
- Sustainable development
- Climate dynamics
- Climate change mitigation, vulnerability and adaptation
- Environmental economics and management
- Statistical analysis in climate research
- Economic valuation and climate change
- Green economy

- Geographical information systems applications in climate change
- Remote sensing and environmental change
- Environmental risk assessment and management
- Community engagement and sustainable development
- Climate change, biodiversity and ecosystems functions
- Climate change and health
- Urban environment
- Geopolitics of climate change
- Scientific research skills
- Introduction to Climate Change
- Meteorology and Climate Observation
- Marine Resources and sustainability
- Environment Risk Assessment and Management
- Climate Change Management
- Numerical Modeling and tools
- GIS and Remote Sensing
- Research Methodology and Ethics
- Climate and Ocean Modeling
- Climate Smart Agriculture
- Nanotechnology and Climate Change
- Sustainable Blue Economy
- Coral Reefs and Climate Change
- Energy Efficiency Management in Maritime Industry
- Environmental Impact Assessment
- Integrated Coastal Zone Management
- Climate Change and Biodiversity
- Global Environmental Governance
- Strategic Planning and Project Management
- Quality and Safety Management Systems
- Climate Change effects on Coastal Dynamics
- Adaptation Strategies to Climate Change for Hydraulic Risk Prevention in Coastal Areas
- Climate Change Policy of the EU
- Adaptation and Mitigation to Climate Change in Spatial Planning
- Master of Waste Water Engineering Practice
- Master of Drinking Water Engineering Practice
- Master of Radiation Physics Practice
- Master of Petrochemicals and Hydrocarbon Processing Practice
- M.Eng. Water Recourse
- M.Eng. in Irrigation Structures
- M.Eng. in Environmental Engineering
- M.Eng. in Thermal Engineering
- M.Eng. in Combustion Engines
- M.Eng. in Electrical Energy Systems and Control
- M.Sc./Ph.D in Electrical Engineering (Electrical Power and Machines)
- Master of Climate Change and Sustainable Development
- International Master of Smart Environmental Management of Climate Change
- International Master of Natural Resources Sustainability for Land Development
- International Master of Sustainable Management of Fisheries and Aquaculture Science
- Environmental silviculture and tree – resources management
- Pest control & environment protection from cides pollution.
- Soil and water sciences

- Pesticides chemistry and technology
- Sustainable management of water resources
- Sustainable management of land resources
- Occupational Hygiene and Air Pollution
- Environmental Health
- Food Hygiene and Control
- Environmental Health
- Occupational Hygiene and Air Pollution
- Food Hygiene and Control
- Environmental Studies - Biological Science
- Climatic Change and Sustainable Development
- Environment and Energy
- Sustainable Cities
- Sustainable Communities
- Soil and Water

Example of Programs and Courses/Subjects Related to Sustainability (Alexandria University, Egypt)

Description:

Above is a list of examples of programs and courses which aims to embed sustainability that are offered by the University.

The total number of courses related to the environment and sustainability in the various sectors of the university, running in the academic year 2022 – 2023, according to the data received from the colleges and specified in previous detailed table, **is 1496**, which represents approximately **11.1 percent** of the total number of courses for the undergraduate and graduate levels, in 25 Faculties and Institutes at the University.

In this context, the table below shows the total number of courses related to the environment and sustainability according to the specializations of the university's various faculties and institutes:

Sectors	Number of courses related to environment and sustainability		Total number of courses Offered during the academic year 2022/2023	Percentage of the number of courses related to environment and sustainability
	Undergraduate studies	postgraduate studies	Undergraduate and postgraduate studies	
Medical sector (dental-pharmacy-nursing-veterinary medicine- - Medical Research Institute)	136	463	13520	11.1%
Basic sciences sector (Engineering - Agriculture - Saba Pasha Agriculture - Science - Fine Arts - Specific Education - Graduate Institute)	237	313		
Humanities sector (Commerce - Arts - Tourism and Hotels - Education - Law - Physical Education for Boys - Physical Education for Girls - Early Childhood Education)	223	124		
Total numbers	596	900		



The National Alexandria University was established last academic year (2022/2023), with 9 undergraduate Programs (attached is a list of the new programs). The National Alexandria University programs refer to educational programs offered by Alexandria University, which is a public university located in Alexandria, Egypt. However, public universities like Alexandria University do offer programs that are funded by the government, and students pay lower tuition fees compared to private institutions.

Study begins at Alexandria National University at its headquarters in New Smouha, starting from the academic year 2022/2023, in nine programs that grant bachelor's degrees, as follows:

- 1 - College of Medicine - Medicine and Surgery Program.
- 2 - College of Dentistry - Oral and Dental Medicine and Surgery Program.
- 3 - College of Pharmacy - Pharm de Clinical Program.
- 4 - College of Engineering (Architecture and Construction Program - Computers and Communications Program - Mechatronics and Robotics Engineering Program).
- 5 - College of Computer and Data Sciences (Cybersecurity Program - Smart Systems Program).
- 6 - College of Science - Software and Multimedia Industry Program.

Link: <https://alexu.edu.eg/index.php/about-us-ar>

Link for Sustainable Development: <https://alexu.edu.eg/index.php/en/sustainable-development>

<https://alexu.edu.eg/index.php/en/2015-11-24-10-38-07/ranking?id=6011>

<http://sustainability.alexu.edu.eg/>

Link for Green University:

https://alexu.edu.eg/index.php/?option=com_content&view=article&id=5932&catid=21&lang=ar-AA

Link for the National Alexandria University

<https://www.dirasaabroad.com/alexandria-national-university/>

<https://alexu.edu.eg/index.php/%D8%A3%D8%AD%D8%AF%D8%AB-%D8%A7%D9%84%D8%A3%D8%AE%D8%A8%D8%A7%D8%B1/7116-%D8%A8%D8%AF%D8%A1-%D8%A7%D9%84%D8%AF%D8%B1%D8%A7%D8%B3%D8%A9-%D8%A8%D8%AC%D8%A7%D9%85%D8%B9%D8%A9-%D8%A7%D9%84%D8%A5%D8%B3%D9%83%D9%86%D8%AF%D8%B1%D9%8A%D8%A9-%D8%A7%D9%84%D8%A3%D9%87%D9%84%D9%8A%D9%80%D9%80%D9%80%D9%80%D8%A9>

Additional evidence link:

<https://alexu.edu.eg/index.php/au-study-ar>

<https://alexu.edu.eg/index.php/ar/academicar/postgraduate-academic-programs>



VICE PRESIDENT

Community Service & Environment Development

Total Courses offered at Alexandria University, Egypt in 2022-2023

Description Total Courses offered at Alexandria University, Egypt in 2020-2023

Courses	2020/2021	2021/2022	2022/2023
Number of courses/subjects offered for undergraduate programs	6906	6906	6906
Number of courses/subjects offered for Postgraduate programs.	6604	6916	6916
Total number of courses	13510	13520	13520

Total number of courses offered in 2022/2023 = 13520 courses

The total number of courses related to the environment and sustainability in the various sectors of the university, running in the academic year 2022 – 2023 is 1496, which represents approximately 11.1 % of the total number of courses for the undergraduate and graduate levels.

Total Courses offered at Alexandria National University, Egypt in 2022-2023

College	Program	Total number of courses
College of Medicine	Medicine and Surgery Program	49
College of Dentistry	Oral and Dental Medicine and Surgery Program	75
College of Pharmacy	Pharm de Clinical Program	66
College of Engineering	- Architecture and Construction Program	55
	- Computers and Communications Program	101
	- Mechatronics and Robotics Engineering Program	84
College of Computer and Data Sciences	Cybersecurity Program - Smart Systems Program	48
College of Science	Software and Multimedia Industry Program	53

Total number of courses offered in 2022/2023 = 531 courses

Sincerely,

Prof.

Community Service & Environment Development
Alexandria University

