

Faculty of Engineering & Technology

Environmental Sciences

Information :

Course Code : ENV 101

Level : Undergraduate

Course Hours : 2.00- Hours

Department : University Requirments

Area Of Study :

This course aims at:

1. Enrich the student's awareness of environment and its problems
2. Enrich the student's awareness of the abusing risks of the environment.

Description :

Introduction to environmental science, survey of environmental issues related to health and disease, natural resources management, nuclear waste disposal, water resources, hydrology, energy use and conservation, land reclamation, global climate change, and industrial pollution, environmental legislations

Course outcomes :

a.Knowledge and Understanding: :

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| 1 - | a1. Define fundamental concepts and theories related to environmental science. |
| 2 - | a2. Define the modern life bad impact on environment. |

d.General and Transferable Skills: :

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| 1 - | d1. Exploit a range of learning resources about environmental science. |
| 2 - | d2. Work in a team. |
| 3 - | d3. Communicate effectively. |

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Introduction to environmental science	2	1	0
Natural resources management. Ecological footprint, population and consumption as well as sustainability	2	1	0
Air pollution	2	1	0
Temperature inversion. Indoor air pollution. Air pollution control, solutions to acid rain.	2	1	0
Climate change. Troposphere, stratosphere. The greenhouse effect. Ozone layer decay. Future climate prediction	2	1	0
Water resources	2	1	0
Water pollution and water quality. Eutrofication, ground water	2	1	0

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Solids and hazardous waste. Resources, waste disposal methods	2	1	0
Environmental legislations	2	1	0
Energy use and conversion	4	2	0
Land reclamation	4	2	0
Project presentation	4	2	0

Teaching And Learning Methodologies :

Interactive Lectures including discussion
Self-Study (Project / Reading Materials / Presentations)
Case Studies

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
Final exam	40.00		
First Mid Term Exam	15.00		
Individual Project	5.00		
Presentation	5.00		
Quizzes	10.00		
Second Mid Term Exam	15.00		

Web Sites :

www.ekb.eg
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