

Faculty of Engineering & Technology

Environmental Sciences

Information	<u>.</u>					
Course Cod	e: ENV 101	Level :	Undergraduate	Course Hours :	2.00- Hours	
Department	: University Requirment	S				
Deceriation						
Description						
issues, and natural proce includes stue sustainable	helps the students to develop provide applied solutions. T esses relating to the enviro dying natural resources, the development. The course a what sort of impact they have	The course is de nment, understa e relationship be also perceives h	cidedly interdisciplinar anding and employing t atween environmental i	y in nature, focusing he scientific methods ssues and society, as	on the underlying 5. The course 5 well as	
Course outc	omes :					
a.Knowledge	e and Understanding: :					
1 -	a1. Define fundamental concepts and theories related to environmental science.					
2 -	Discuss principles of managements and economics relevant to environmental science.					
b.Intellectual Skills: :						
1 -	Identify measurement criteria for different systems deployment in environmental science.					
2 -	Aware with professional, moral, legal and ethical issues related to environmental science.					
3 -	Criticize research paper in environmental science area.					
c.Profession	al and Practical Skills: :					
1 -	Acquire a set of fundamental research skills from different resources of environmental science.					
2 -	Evaluate the risks and safety aspects related to environmental science.					
d.General ar	nd Transferable Skills: :					
1 -	Exploit a range of learning resources about environmental science.					
2 -	Work in a team to develop the requirement documentation about environmental science					
3 -	Apply communication skills in presentations and report writing using various methods and tools.					
Course Topi	c And Contents :					

Торіс	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



Course Topic And Contents :

Торіс	No. of hours	Lecture	Tutorial / Practical
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
Solids and hazardous waste. Resources, waste disposal methods	2	1	0
Environmental legislations	2	1	0
Energy use and conversion	2	1	0
Land reclamation	2	1	0
Project presentation	2	1	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			
Individual Projects	10.00			
Midterm Exam (s)	30.00			
Others (Participation)	15.00			
Presentations	5.00			
Quizzes	10.00			