



Course Specifications

Course Title:	Environmental Issues
Course Code:	ENS 484
Program:	Environmental Sciences and Technology/ Environmental Health Program
Department:	Environmental Sciences
College:	Meteorology, Environment & Arid Land Agri.
Institution:	King Abdulaziz University

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A. Course Identification

1. Credit hours:			
2. Course type			
a.	University <input type="checkbox"/>	College <input type="checkbox"/>	Department <input checked="" type="checkbox"/>
b.	Required <input checked="" type="checkbox"/>	Elective <input type="checkbox"/>	Others <input type="checkbox"/>
3. Level/year at which this course is offered: 2 nd year			
4. Pre-requisites for this course (if any): ENS 100			
5. Co-requisites for this course (if any): NA			

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	10	90
2	Blended		
3	E-learning	5	10
4	Correspondence		
5	Other (Lab)		

7. Actual Learning Hours (based on academic semester)

No	Activity	Learning Hours
Contact Hours		
1	Lecture	32
2	Laboratory/Studio	
3	Tutorial	
4	Others (specify) activities in class	8
	Total	40
Other Learning Hours*		
1	Study	48
2	Assignments	48
3	Library	
4	Projects/Research Essays/Theses	10
5	Others (specify)	
	Total	106

* The length of time that a learner takes to complete learning activities that lead to achievement of course learning outcomes, such as study time, homework assignments, projects, preparing presentations, library times

B. Course Objectives and Learning Outcomes

1. Course Description This course will present and discuss the major global and local environmental issues and search for suitable means to solve them.
2. Course Main Objective Students will be provided by the updated knowledge of several major global environmental issues.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge:	
1.1	Identify and discuss causes and effects of environmental issues on the communities and the world	
1.2	Obtain and discuss solutions, inventions and ideas to manage pollution and environmental problems	
1.3		
1...		
2	Skills :	
2.1	Conduct research and meetings to obtain data about each environmental issue	
2.2	Report findings and present to classmates	
2.3	Debate and defend ideas, data, believes and thoughts relative to any topic in this course	
2...		
3	Competence:	
3.1		
3.2		
3.3		
3...		

C. Course Content

No	List of Topics	Contact Hours
1	Introduction to environmental issues	2
2	Global warming and carbon fingerprint	۳
3	Natural resources depletion	۲
4	Food security	3
5	Overpopulation	۲
6	Deforestation	۲
7	Marine pollution crisis – oil spills	۲
8	Loss of biodiversity	3
9	Environmental Sustainability	3
10	Circular economy	3
11	Solid Wastes Management	3
12	Environmental awareness	3
Total		30

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	Knowledge		
1.1	Identify and discuss causes and effects of environmental issues on the communities and the world	Lecture, seminar	H.W, discussions
1.2	Obtain and discuss solutions, inventions and ideas to manage pollution and environmental problems	Lecture, seminar	H.W, discussions
1.3			
2.0	Skills		
2.1	Conduct research and meetings to obtain data about each environmental issue	Lectures, group seminars	Speech, Presentations
2.2	Report findings and present to classmates	Class activities	Reports and presentations
2.3	Debate and defend ideas, data, believes and thoughts relative to any topic in this course	Class activities, Debate (example)	Presentation, debate
3.0	Competence		
3.1			
3.2			
...			

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	H.W x 6	Biweekly	18
2	Seminar and discussion	2,4,6,10,12	20
3	Reports x 5	Biweekly	30
4	Debate participation	4, 8, 10, 16	20
5	Final presentation	15 – 16	12
6			
7			
8			

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice:

Office hours 4h/week

F. Learning Resources and Facilities

1. Learning Resources

Required Textbooks	Sudha Sambyal Malik, (2020), “Environmental Issues”, Daya Pub. House, ISBN: 9390371147
Essential References Materials	Some course handouts and slide contents by the instructor.
Electronic Materials	Websites with relevant topics (articles, chapters, EBook).
Other Learning Materials	Multimedia – documentary videos

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Classroom – 30 seat max, lab (visit and report)
Technology Resources (AV, data show, Smart Board, software, etc.)	Data show
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Student Feedback on Effectiveness of Teaching	Course evaluation by student Students- faculty meetings	Indirect
Teaching strategies by instructor	Departmental council discussions Discussions within the group of faculty teaching the course	Indirect
Teaching and assessment tools	Peer reviews	Direct

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

Evaluators (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

H. Specification Approval Data

Council / Committee	
Reference No.	
Date	April 2021

