

Course Specification

— (Postgraduate Programs) عبد المحسن بن أبي طالب عز الدين بن عبد الله بن رستم الناصر

Course Title: Wildlife Conservation and Management

Course Code: BIO-6220

Program: Master of Science in Applied Biology (Biodiversity, Wildlife Conservation & Management)

Department: Biology عبد المحسن بن أبي طالب عز الدين بن عبد الله بن رستم الناصر

College: Science

Institution: Imam Mohammad Ibn Saud Islamic University

Version: 1

Last Revision Date: Pick Revision Date.

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عبد المحسن بن أحمد العنزي

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A. General information about the course:

1. Course Identification:

1. Credit hours: 3(Lecture 2 + Lab 2)

2. Course type

A. ☐ University ☐ College ☐ Department ☒ Track
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: (Level 2 / first year)

4. Course General Description:

This graduate course illustrates roles of protected areas, conservation, and land management. Understand the social and ecological linkages between protected areas and surrounding landscapes and communities. Manage the interactions between protected areas and resident and local communities. Apply the concepts of adaptive management and ecosystem management to protected areas.

5. Pre-requirements for this course (if any):

Biodiversity Studies and Applied Ecology

6. Pre-requirements for this course (if any):

None

7. Course Main Objective(s):

The course intends to provide students' knowledge of contemporary issues relating to biodiversity conservation and the role of protected areas analyzing the relationship and values between protected areas, adjacent lands, neighboring communities, and the wider community. Also, enhance the appreciation of the importance of biological diversity and the ecological services that protected areas provide.

2. Teaching Mode: (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	• Traditional classroom	-	100%
2	E-learning	-	-
3	Hybrid • Traditional classroom • E-learning	-	-



No	Mode of Instruction	Contact Hours	Percentage
4	Distance learning	-	-

3. Contact Hours: (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	30
2.	Laboratory/Studio	30
3.	Field	
4.	Tutorial	
5.	Others (specify).....	
	Total	60

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods:

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1	Establish the main principles and processes involved in protected areas	K1-K2	-Lectures -Class participation	-Written exams -Class participation -Assessment of assigned work
1.2	Mention the values and purposes of protect areas as part of global conservation strategies	K1-K2	-Lectures -Class participation	-Written exams -Class participation -Assessment of assigned work
1.3				
2.0	Skills			
2.1	Analyses the cultural, social, economic, political and		-Lectures	-Classroom participation

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
	community implications in the protection and management of biodiversity conservation values associated with protected areas	S1-S2-S3	-Classroom discussions -Cooperative education	-Presentations
2.2	Apply ecosystem management concepts and approaches to protection and management of the biodiversity of protected areas.	S2-S3	-Lectures -Classroom discussions -Cooperative education	-Classroom participation -Presentations
3.0	Values, autonomy, and responsibility			
3.1	Able to work and communicate effectively in groups.	V1-V3	--Lectures -Classroom discussions -Research	-Classroom participation -Presentations
3.2	Carry out assigned tasks with responsibility.	V2	-Lectures -Classroom discussions	-Classroom participation -Presentations
3.3				

C. Course Content:

No	List of Topics	Contact Hours
1.	The definitions of wildlife and management, Introduction and History of Wildlife Conservation, Values and Ethics in Wildlife Conservation	2
2.	Human dimensions of wildlife management: Wildlife health and Conservation planning.	2
3.	Management & Planning: Captive breeding and propagation, rehabilitation, gene banks, ex-situ and in-situ linkages.	2

4.	International Agreements, Strategies & Programs in Wildlife Conservation.	1
5.	The concept of the 'protected area' , The diversity of protected areas, The economic valuation of protected, Protected areas and local people.	2
6.	PA Categories and Governance Type: The key component of international PA frameworks and the international classifications of PA's.	2
7.	Protected Wildlife and society, Impacts, and interactions	2
8.	Wildlife Enhancement Scheme and Species, Action Program.	2
9.	National Nature Reserves and Marine Nature Reserves.	1
10.	Planning National Reserve Systems and bioregional ecosystem classification.	2
11.	Monitoring, Evaluation and Adaptive Management -Challenges in management, effectiveness, and evaluation.	2
Total		30

D. Students Assessment Activities:

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Midterm exam-1	5 th week	15%
2.	Midterm exam-2	10 th week	15%
3.	Quizzes, Participation, presentations, reports, attendance	Throughout the course duration	10%
	Final lab exam	15 th week	20%
4.	Final exam	16 th week	40 %

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities:

1. References and Learning Resources:

Essential References

-Krausman, P. R. (2013). Wildlife Management and Conservation: Contemporary Principles and Practices Illustrated Edition. Johns Hopkins University
 -Borrini-Feyerabend, G., N. Dudley,T, Jaeger,B. Lassen,N. Pathak Broome,A. Philips and T. Sandwith (2013). Governance of Protected Areas: From understanding to action. Best Practice Protected Area Guidelines Series No 20, Gland, Switzerland

	-Worboys, G. L., Lockwood, M., Kothari, A., Feary, S. and Pulsford, I. (eds) (2015). Protected Area Governance and Management, ANU Press, Canberra.
Supportive References	
Electronic Materials	
Other Learning Materials	

2. Educational and Research Facilities and Equipment Required:

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classroom
Technology equipment (Projector, smart board, software)	Projector and Smartboard
Other equipment (Depending on the nature of the specialty)	

F. Assessment of Course Quality:

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Students	Indirect
Effectiveness of students assessment	Program Leaders	Direct
Quality of learning resources	Peer Reviewer	Direct
The extent to which CLOs have been achieved	Program Leaders	Direct
Other		

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

Assessment Methods (Direct, Indirect)

G. Specification Approval Data:

-	BIOLOGY DEPARTMENT COUNCIL
REFERENCE NO.	23
DATE	23/8/1445

