



Course Specifications

Course Title:	Reproductive Physiology
Course Code:	(ZOO 436)
Program:	Zoology
Department:	Zoology
College:	Science
Institution:	King Saud University

Table of Contents

A. Course Identification	3
6. Mode of Instruction (mark all that apply)	3
B. Course Objectives and Learning Outcomes	3
1. Course Description	3
2. Course Main Objective.....	3
3. Course Learning Outcomes	3
C. Course Content	4
D. Teaching and Assessment	4
1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods	4
2. Assessment Tasks for Students	5
E. Student Academic Counseling and Support	5
F. Learning Resources and Facilities	5
1. Learning Resources	5
2. Facilities Required.....	6
G. Course Quality Evaluation	6
H. Specification Approval Data	6

A. Course Identification

1. Credit hours: 2 (1+0+2)
2. Course type
a. University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Others <input type="checkbox"/>
b. Required <input type="checkbox"/> Elective <input checked="" type="checkbox"/>
3. Level/year at which this course is offered: Fourth year
4. Pre-requisites for this course (if any): ZOO 332
5. Co-requisites for this course (if any): None

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	14	100
2	Blended		
3	E-learning		
4	Distance learning		
5	Other		

7. Contact Hours (based on academic semester)

No	Activity	Contact Hours
1	Lecture	14
2	Laboratory/Studio	28
3	Tutorial	
4	Others (specify)	
	Total	42

B. Course Objectives and Learning Outcomes

1. Course Description	
2. Course Main Objective	
<ul style="list-style-type: none"> Studying major basics of Reproductive Physiology. Studying Reproductive functions and stages of reproductive activity. Interpretation of reproductive phenomena. Acquainting with recent technologies in reproduction. 	
3. Course Learning Outcomes	
	CLOs
Aligned PLOs	
1	Knowledge and Understanding

CLOs		Aligned PLOs
1.1	Identify structures and function of male and female reproductive systems.	K2
1.2	Interpretation of normal and erratic reproductive phenomena.	K3
1.3	Describe histological structure of reproductive systems and relationship between structure and function.	K2
2	Skills :	
2.1	Examination of morphology and anatomy of reproductive organs.	S2
2.2	Microscopic examination of reproductive histological sections.	S3
3	Values:	
3.1	Work in team.	V1
3.2	Communicate and use internet.	V3

C. Course Content

No	List of Topics	Contact Hours
1	Introduction to Reproduction	1
2	The organization and function of the female reproductive system	2
3	The organization and function of the male reproductive system	2
4	Regulation of reproduction, Nerves and hormones	1
5	Puberty	1
6	Reproductive Cyclicity, Terminology and basic concepts	3
7	Endocrinology of the male and spermatogenesis	2
8	Spermatozoa in the female tract, Transport , capacitation and fertilization	2
9	Placentation, the endocrinology of the gestation and parturition	1
Total		

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 and Understanding		
1.1	Identify structure and function of male and female reproductive systems.	In-class lecturing (using power point presentation and reproductive illustration) Laboratory practice and microscope examination. (Conducting experiments and writing reports). Activities and assignments.	Mid-term and final exams Evaluation of lab reports Evaluation of activities and results.
1.2	Interpretation of normal and erratic reproductive phenomena.		
1.3	Describe histological structure of reproductive systems and relationship between structure and function.		

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
2.0	Skills		
2.1	Examination of morphology and anatomy of reproductive organs.	Use of physiological illustrations.	Mid-term and final exams
2.2	Microscopic examination of histological sections.	Laboratory training. Activities and homework.	Evaluation of lab reports concerning practical activities.
...			
3.0	Values		
3.1	Work in team.	Close monitoring during practical sessions Using power point and behavioural illustration.	Assessment of student contribution in lab sessions. Evaluation of the obtained lab results.
3.2	Communicate and use internet.		
3.3			

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Monthly Exam 1	7	10%
2	Monthly Exam 2	10	10%
3	Lab. Homework	12	5%
4	Lab. Exam.	13	25%
5	Final Exam.	15	50%
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 :

- Direct supervision by staff member over lab. Sessions.
- Office hours 7 hr/ week

F. Learning Resources and Facilities

1. Learning Resources

Required Textbooks	Hafez, E.S.E (2002). Reproduction in Farm Animals , Lea and Febiger , USA
Essential References Materials	<p>Austin C.R. and Short R.V. (1987). Reproduction in Mammals , Cambridge Uni. Press , Cambridge , London (Series 1-5)</p> <p>زايد ، عبد الله عبدالرحمن و القماطي ، أحمد المجذوب (2000) . فسيولوجيا الحيوان (التكاثر والإدرار) . جامعة عمر المختار ، البيضاء ، ليبيا</p> <p>البردي ، عبدالرحمن محمد ؛ برقاي ، أشرف ؛ عبدالحميد ، صالح (1990) . فسيولوجيا التكاثر . مطبعة كلية الزراعة ، جامعة القاهرة ، جمهورية مصر العربية</p>

Electronic Materials	
Other Learning Materials	

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	<ul style="list-style-type: none"> • Modern lecture rooms. • Equipped laboratories.
Technology Resources (AV, data show, Smart Board, software, etc.)	Not applicable
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	Microscopes – electron microscope – slides – dissecting sets etc

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods

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	