



## Course Specifications (Postgraduate Degree)

<b>Course Title:</b>	Physiology of Reproduction
<b>Course Code:</b>	533 Zoo
<b>Program:</b>	MSc in Zoology Department
<b>Department:</b>	Zoology Department
<b>College:</b>	College of Science
<b>Institution:</b>	King Saud University

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## A. Course Identification

<b>1. Credit hours:</b>	<b>3</b>
<b>2. Course type</b>	<input type="checkbox"/> Required <input type="checkbox"/> Elective
<b>3. Level/year at which this course is offered:</b>	2 <sup>nd</sup> – 3 <sup>rd</sup> level (selective course in the track of Physiology and Developmental Biology)
<b>4. Pre-requisites for this course (if any):</b>	None
<b>5. Co-requisites for this course (if any):</b>	None

## 6. Mode of Instruction (mark all that apply)

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

## 7. Actual Learning Hours (based on academic semester)

No	Activity	Learning Hours
<b>Contact Hours</b>		
1	Lecture	28
2	Laboratory/Studio	
3	Seminars	
4	Others (specify)	14
<b>Total</b>		42

\* 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

<p><b>1. Course Description</b> Comparative anatomy and physiology of the reproductive system of higher vertebrates, reproductive cycle and reproductive hormones, puberty, gametogenesis, fertilization, implantation, prenatal growth, parturition and initiation of lactation, endocrine regulation of reproductive phenomena.</p>
<p><b>2. Course Main Objective</b> This course aims to provide the students with the basic information about reproduction in the vertebrates and the physiological regulation of the reproductive process.</p>

### 3. Course Learning Outcomes

Course Learning Outcomes (CLOs)		Aligned PLOs*
<b>1</b>	<b>Knowledge</b>	
1.1		
1.2		
1.3		
1...		
<b>2</b>	<b>Skills</b>	
2.1		
2.2		
2.3		
2...		
<b>3</b>	<b>Values</b>	
3.1		
3.2		
3.3		
3...		

\* Program Learning Outcomes

### C. Course Content

No	List of Topics	Contact Hours
1	Male Reproductive System in Different Classes of Vertebrates	1
2	Female Reproductive System in Different Classes of Vertebrates	1
3	Reproductive Cycles	2
4	Primordial Germ Cells and Regulation of Meiosis	1
5	Spermatogenesis and Spermatozoa	1
...6	Oogenesis and Ovulation	1
7	The Egg	1
8	Puberty	1
9	Sperm and Egg Transport	1
10	Fertilization	1
11	Cleavage, Implantation, Parturition, and Lactation	2
12	Revision and discussion	1
<b>Total</b>		

### D. Teaching and Assessment

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

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
<b>1.0</b>	<b>Knowledge</b>		
1.1			
1.2			
...			
<b>2.0</b>	<b>Skills</b>		
2.1			

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
2.2			
...			
<b>3.0</b>	<b>Values</b>		
3.1			
3.2			
...			

## 2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1			
2			
3			
4			
5			
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:

## F. Learning Resources and Facilities

### 1. Learning Resources

Required Textbooks	
Essential Reference Materials	
Electronic Materials	
Other Learning Materials	

### 2. Educational and research Facilities and Equipment Required

Item	Resources
<b>Accommodation</b> (Classrooms, laboratories, demonstration rooms/labs, etc.)	

Item	Resources
<b>Technology Resources</b> (AV, data show, Smart Board, software, etc.)	
<b>Other Resources</b> (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

**Evaluation Areas/Issues** (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

<b>Council / Committee</b>	
<b>Reference No.</b>	
<b>Date</b>	