ATTACHMENT 2 (e)

Course Specifications

Kingdom of Saudi Arabia

The National Commission for Academic Accreditation & Assessment

Course Specifications
(CS)

Course Specifications

Institution University of Dammam Date 7/8/1435
College/Department science /Biology

A. Course Identification and General Information

1. Course title and code: Animal physiology (2) **443N**
2. Credit hours 2n +1p = 3hours
3. Program(s) in which the course is offered. (If general elective available in many programs indicate this rather than list programs) **Bachelor of Science in Biology**
4. Name of faculty member responsible for the course **A specific team from the Biology Department**
5. Level/year at which this course is offered Level 8
6. Pre-requisites for this course (if any) _____
7. Co-requisites for this course (if any) _____
8. Location if not on main campus Rayan Building
9. Mode of Instruction (mark all that apply)

a. traditional classroom 50%		✓	What percentage?
b. blended (traditional and online) +20%	✓		What percentage? 50%
c. e-learning		✓	What percentage?
d. correspondence 20%		✓	What percentage?
f. other 10%		✓	What percentage? -

Comments:

B Objectives

1. What is the main purpose for this course?
   - The main aims of this course are to
   - 1. Knowledge of animal physiology
   - 2.Relation ships between it and other Biology science branches
   - 3.It explains the functions of different organs and systems

2. Briefly describe any plans for developing and improving the course that are being implemented. (e.g. increased use of IT or web based reference material, changes in content as a result of new research in the field)

- we are looking for updating and developing methodology and contents of course as result of new methods and contents in the field t using newest learing resources as books websit Inter net

C. Course Description (Note: General description in the form used in Bulletin or handbook)

Course Description:

Structure and function of nervous system and sens, organs, muscles and muscles contraction Endocrinology and relation ship between hormons and Nervous system Mechanism of urine composition

1. Topics to be Covered		
List of Topics	No. of Weeks	Contact hours
Nerurophysiology	4	8
Muscular System	2	4
Excretory System	2	4
Endocrinology	6	12

2. Course components (total contact hours and credits per semester):						
	Lecture	Tutorial	Laboratory or Studio	Practical	Other:	Total
Contact Hours	14	2x14	1x2	-	-	28+12
Credit						40

3. Additional private study/learning hours expected for students per week. 4

4. Course Learning Outcomes in NQF Domains of Learning and Alignment with Assessment Methods and Teaching Strategy

On the table below are the five NQF Learning Domains, numbered in the left column.

First, insert the suitable and measurable course learning outcomes required in the appropriate learning domains (see suggestions below the table). **Second**, insert supporting teaching strategies that fit and align with the assessment methods and intended learning outcomes. **Third**, insert appropriate assessment methods that accurately measure and evaluate the learning outcome. Each course learning outcomes, assessment method, and teaching strategy ought to reasonably fit and flow together as an integrated learning and teaching process. (Courses are not required to include learning outcomes from each domain.)

Code	NQF Learning Domains	Course Teaching	Course Assessment
1.0	**Knowledge**		
1.1	Nerve cell and their functions		
1.2	Nerve impulse-central and 1.peripheral Nervous system 2.Varioushormones and their functional roles 3.Muscle contractions and its relation ship with Nervous System 4.Formation of urinc	1.give anice Introduction for the lecture 2.Illustration of the lectur using black board – powerpoints ,	1.Quises 2.Reports 3.practicle and theoretical exam
2.0	**Cognitive Skills**		
2.1	Students should be aware of 1.peripheral Nervous system 2.Varioushormones and their functional roles 3.Muscle contractions and its relation ship with Nervous System		(theorytical + practical) Exams, laboralory evaluation
3.0	**Interpersonal Skills & Responsibility**		
3.1	work with ateam work organize and distribute work amang members of the team	1.collect information from different sources 2.present it by	Use groupal assessment and individual
3.2	Preseny Idea or ask about it		
4.0	**Communication, Information Technology, Numerical**		
4.1	Student can chose An Idea or report and by using different technology method they can present and discus by different ways and for numerical bygive them chosen topic and after they can collect data they can make		

5.0	**Psychomotor**		
5.1	Through practical part psycho maator skills will developed throughout the semesters		
5.2			

5. Map course LOs with the program LOs. (Place course LO #s in the left column and program LO #s across the top)

Course LOs #	**Program Learning Outcomes (Use Program LO Code #s provided in the Program**								
	1.1	**1.2**		**2.1**		**3.2**		**4.1**	
1.1									
2.1									

6. Schedule of Assessment Tasks for Students During the Semester

	Assessment task (e.g. essay, test, group project, examination,	Week Due	Proportion of Total
1	Short tese +	6	5%
2	Long multi + test 2	10	15%
3	Practical evaluation	Each week	10%
4	Final practical test	13	20%
5	Final theoretical test	16-17	40%
6	Different home works, essay, prestentation through Semester		10%
7			
8			

D. Student Academic Counseling and Support

1. Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice. (include amount of time teaching staff are expected to be available each week)

Nearly 4 hours weekly teaching staff can advice and consulting student

E Learning Resources

1. List Required Textbooks 1.General physiology , Dr Mohammed Bin Saleh Al-Khalifa 2001 2. Basics of Zoology By Dr Mohammed Ismail Mohammed and others 2002
2. List Essential References Materials (Journals, Reports, etc.) Guyton and Hall,2006 Text book of Medical physiology 11th ed
3. List Recommended Textbooks and Reference Material (Journals, Reports, etc) Different electronic materials like Encyclopidia and different web sites like Pub Mad and you tube
4. List Electronic Materials, Web Sites, Facebook, Twitter, etc.
5. Other learning material such as computer-based programs/CD, professional standards or regulations and software.

F. Facilities Required

Indicate requirements for the course including size of classrooms and laboratories (i.e. number of seats in classrooms and laboratories, extent of computer access etc.)
1. Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.) Classrooms with good light and suitable for 50-60 seats Laboratories equipped with different instruments To study , Capacity 25-30 students
2. Computing resources (AV, data show, Smart Board, software, etc.) Computer with data show and projector and laser pointer
3. Other resources (specify, e.g. if specific laboratory equipment is required, list requirements or attach list) Microscopes – chemicals – detectors – heaters water baths experimental animals birds- mammals..

1 Strategies for Obtaining Student Feedback on Effectiveness of Teaching 1.students Feed back at the end of semesters to discus negative and positive points in the course and strategies of teaching it
2 Other Strategies for Evaluation of Teaching by the Instructor or by the Department By discussing with other specialty members in teaching methods and new different ways
3 Processes for Improvement of Teaching Make a lot of work shops in the deparment for staff member to Improve their abilities in teaching and Attract specialt traineers to help staff members developing teaching process
4. Processes for Verifying Standards of Student Achievement (e.g. check marking by an independent member teaching staff of a sample of student work, periodic exchange and remarking of tests or a sample of assignments with staff at another institution) Periodic reviewer for students exam samples by another members of the same specialty
5. Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement. 1.periodic reviwing to the course and renewing 2.updating learning resoures 3.comparmental study for the course with smeller in different organization