ATTACHMENT 2 (e)

Course Specifications

Kingdom of Saudi Arabia

The National Commission for Academic Accreditation & Assessment

Course Specifications
(CS)

Course Specifications

Institution: : Dammam University Date: 10/2/1436

College/Department: College of Sciences – Girls Campus – Dammam/ Biology department

A. Course Identification and General Information

1. Course title and code: Plant kingdom - BIOL 212N

2. Credit hours: : 2 theoretical +2 practical / Total (3) credit hours

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 degree in Biology

4. Name of faculty member for the course: .
A specific team from the Biology Department

5. Level/year at which this course is offered: First semester of the academic year 1435-1436

6. Pre-requisites for this course (if any): Biol 101N

7. Co-requisites for this course (if any) -------

8. Location if not on main campus: main campus

9. Mode of Instruction (mark all that apply)

a. traditional classroom ☐ + What percentage? ☐

b. blended (traditional and online) ☐

What percentage? ☐

c. e-learning ☐ + What percentage? ☐

d. correspondence ☐ + What percentage? ☐

f. other ☐ + What ☐

B Objectives

1. What is the main purpose for this course?
The aim of this course is to enable students to understand the basis of knowledge of the plant kingdom, and we'll show the basic principles, classification, general characters and distribution the different sections in the plant kingdom.
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)
• Update learning resources on a regular basis through sites available on the electronic network.

- New teaching methods and the use of presentations
- Adoption of the students themselves growing in the study
- The use of library resources
- Periodic review of the decision by the Committee on Course Description
- update content on a regular basis to keep up with modern developments
- Review the characterization by professors in different universities
- promote self-learning among students
- Convert decisions to decision-mail (Web City)

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

Course Description:
Discuss the introduction of the plant kingdom. study of the general characters and the methods of classification of viruses, methods of cultivation of viruses and chemical composition of viruses, as well as the mechanism of replication in viruses. Classification and Nomenclature of bacteria, study the morphological feature of the bacterial cell-and the study

of nutrition and methods of growth and reproduction in bacteria. Study of fungi, Economic importance of fungi, general characteristics and classification of fungi (Zygomycetes, Basidomycetes and Deutoromycetes. Study of Alge, Economic importance- General characteristics and Classification of Alge (Green Alge. Euglenophyta, Cyanophyta, Chrysophyceae, Xanthophyceae and Phaeophyta).

Study of non vascular plants (Bryophyta, Pteridophyta) and Flowering plants (Angiospermes and Gymnospermes)

1. Topics to be Covered		
List of Topics	No. of Weeks	Contact hours
1 - Divided the students into teams and each team choose the leader 2- Distribution of workshops required from each group 3- Discuss the introduction of the plant kingdom	1	2
= Study of the general characters and the methods of classification of viruses	1	2

= Methods of cultivation of viruses and chemical composition of viruses, as well as the mechanism of replication in viruses	1	2
= Classification and Nomenclature of bacteria	1	2
= Study the morphological feature of the bacterial cell-and the study	1	2
= The study of blue-green bacteria (Cyanobacteria)	1	2
= Complete the study of fungi (Economic importance of fungi-	1	2
= Study class Zygomycetes	1	2
= Complete class Zygomycetes, Basidomycetes and Deutoromycetes. And Lichens.	1	2
= Study of Alge (Economic importance- General characteristics and Classification of Alge)	1	2
= Complete the study of Alge, Green Alge. Euglenophyta, Cyanophyta, Chrysophyceae, Xanthophyceae and Phaeophyta	2	4
= Study of non vascular plants (Bryophyta, Pteridophyta)	1	2
= Study of Flowering plants (Angiospermes and Gymnospermes) (Conifers, Flowers, Fruits,)	1	2

2. Course components (total hours and credits per semester):

	Lecture	Tutorial	Laboratory or Studio	Practical	Other:	Total
Contact Hours	2x13			2x13		56
Credit	2x13			1x13		39

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

---

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	• Knowledge of the students to the basics of the science of Plant Kingdom • Knowledge of the installation of the structure of the different items • Knowledge of the genera; characters of different items of plant kingdom • Knowledge of the methods of classification • Knowledge of the sexual and asexual reproduction	To begin each lecture with a presentation contains a lot of illustrations that help students to quickly absorb information and dividing the students into groups (teams) the active participation and solving worksheets that directly measure the extent absorbed the concepts of knowledge, which is based on the competition between	• objective tests to test for the student accommodate this knowledge by 10% of the business year and 20% of the theoretical final • duties and working papers and by 5% of the business year
1.2			
2.0	**Cognitive Skills**		
2.1	• The ability to make scientific comparisons between different items of plant kingdom • The ability to classify the different items • the ability to • The ability to understand the life cycles of the some selected genera includes the plant kingdom	• Use the worksheets • individual duties like to ask each student comparisons between the different items • Collective duties by distributing pictures of objects on the different items and ask each group to identify the item in the image and classifies Debates between work and work teams • Stirring dialogue	• Oral tests to assess cognitive skills by using pictures or presentations or video clips • Will be a degree of collective duties accounted for 50% of the degree of team work duties either individual student to get extra score if solved correctly early and will be 10% of the year degree and
3.0	**Interpersonal Skills & Responsibility**		
3.1	• The ability to assume responsibility for self-education • Work effectively in a group • The ability to judge people and situations objectively based on fixed moral standards is not affected Ballahoa personal	• that the student research in books and online on the subject of the article to be determined in agreement with the professor of	• Evaluating the group discussion • Evaluating scientific analysis done by the Group

	• The ability to dialogue and to accept criticism and accept the other opinion • The ability to express their own opinion without fear or hesitation and improves their self-confidence • Ability to lead a team to work	in order to enhance the self-learning has • When you provide students with presentations to be discussed and put to dialogue with them and are evaluated in the form specified by the professor Article • nominate a leader for each group periodically • the distribution of tasks between team members under the supervision of the commander • When the student to give the presentation is to discuss its performances and dialogue with the students during the submitting of view and is based on the evaluation form specific standards by Professor Article • Enhance the ability of the student to express an opinion without fear	behavior of the student inside the hall • The commitment of the student's performance of duties specified in their times
4.0	**Communication, Information Technology, Numerical**		
4.1	• Skills, oral and written communication • Using computer and search the Web for information sources • Use a power point for Proposals Group • The use of statistical methods in the analysis of information	• assign the student to view and throwing solutions to the issues that required to be analyzed • commissioning duties appliances rely on search in the World Wide Web • The use of modern technology in scientific research • Find information in databases and sites corresponding universities • communicate with others through the use of modern technology such as communicating with students via e-mail • The use of smart board	• Assess the students through what is being discussed in the lecture • Assessment of individual and collective duties based on predefined criteria
5.0	**Psychomotor**		
5.1	• The use of the microscope • Anatomy of organisms • Drawing samples	• Assign the student using a microscope to examine samples • Assign the student autopsy • Assign the student draw samples	• Follow up the student in the lab during the examination and dissection and evaluation • Monitoring degrees of draw

5. Map course LOs with the program across the top)	Place course LO #s in the left column and program LO #s								
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			
	Assessment task (e.g. essay, test, group project, examination,	Week Due	Proportion of Total
1	Essay + Group project		10%
2	Test		20%
3	Practical exam		30%
4	Final test		40%

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).

• Provide faculty members for advice and guidance to the student academic 4 hours per week
• Follow up students in courses laboratories to provide the required expertise by overseeing the

labs.

• scheduled office hours (4 hours) during the school week to connect with students.
• Access to e-mail and send the duties and corrected and re-sent again to the students.
• Provide advice and guidance to students at any time throughout the period of hours and through telephone calls and electronic exchange and send electronic files with students.

E Learning Resources

1. List Required Textbooks

2. List Essential References Materials (Journals, Reports, etc.)

3. List Recommended Textbooks and Reference Material (Journals, Reports, etc)
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.) 1. Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.) 1 - Buildings (lecture halls, laboratories, etc. ...): - Lecture halls: devoted to Article classrooms (14 - 17 D) capacity of 50 students.
2. Computing resources (AV, data show, Smart Board, software, etc.) Sources of Computer: PC is used for the course
3. Other resources (specify, e.g. if specific laboratory equipment is required, list requirements or attach list) 1 - For theoretical lectures: Projector + display screen. 2 - Lab: need to the following: Optical microscope, dissected animals, slides, chemicals, anatomy instruments, Glassware to save the samples.

G Course Evaluation and Improvement Processes

1 Strategies for Obtaining Student Feedback on Effectiveness of Teaching
1 - Course Evaluation Form students.
2 - Conversation and interview students during and after each lecture.

3 - Analysis of the final results of the students (Form result).

2 Other Strategies for Evaluation of Teaching by the Instructor or by the Department

1 - Form report of the Rapporteur.

2 - External peer review of the survey. 3 - Internal peer reviewer for consultation and exchange of views and ideas in the course.
3 Processes for Improvement of Teaching 1 - Get an e-book and the application of electronic lab. 2 - hold regular meetings between professors scheduled to exchange experiences and views 3 - Exchange of experiences with professors from other universities 4 - abreast of the developments in the scientific material and specialization to develop decision.
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) 1 - Correct sample of student work from an external reviewer. 2 - A statistical analysis of the results of evaluating students.
5 Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement.