



King Saud University
College of Food and Agriculture Sciences
Department of Plant Production

Course Specifications

PPS 321 – Fruit Production

Dr. Rashid Sultan Al-Obeed
Instructor

Course Specifications

Institution	King Saud University	Date of Report:	2014
College/Department: College of Food and Agriculture Sciences / Department of Plant Production			

A. Course Identification and General Information

1. Course title and code: Fruit Production (PPS 321)			
2. Credit hours 2 hours			
3. Program(s) in which the course is offered: Plant Production Sciences (If general elective available in many programs indicate this rather than list programs)			
4. Name of faculty member responsible for the course: Dr. Rashid S Al-Obeed			
5. Level/year at which this course is offered: 6th level / 3rd year			
6. Pre-requisites for this course (if any): PPS 201 (Principles of Plant Production)			
7. Co-requisites for this course (if any): N/A			
8. Location if not on main campus: N/A			
9. Mode of Instruction (mark all that apply)			
a. Traditional classroom	<input checked="" type="checkbox"/>	What percentage?	<input type="text" value="90%"/>
b. Blended (traditional and online)	<input type="checkbox"/>	What percentage?	<input type="text"/>
c. e-learning	<input type="checkbox"/>	What percentage?	<input type="text"/>
d. Correspondence	<input type="checkbox"/>	What percentage?	<input type="text"/>
f. Other (Field Trips)	<input checked="" type="checkbox"/>	What percentage?	<input type="text" value="10%"/>
Comments: Modes of instruction include traditional lecture-class discussion (90%) and field trips (10%).			

B Objectives

1. What is the main purpose for this course?

The main purposes are to:

- 1- Improve students' knowledge about fruit trees importance
- 2- Introduce students to the cultivated fruit trees in Saudi Arabia and other countries
- 3- Clarify the agricultural practices which applied in fruit trees orchards
- 4- Introduce students to the important species and cultivars fruit trees and how develop these crops
- 5- Teach students how to establish and grow up the orchard project.

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)

- 1- Updating information related to the course subjects
- 2- Presenting lectures by the effective use of Smart Classrooms
- 3- Increasing field trips to different orchards

C. Course Description (Note: General description in the form to be used for the Bulletin or handbook should be attached)

1. Topics to be Covered:

Topic	No of Weeks	Contact hours
Introduction to Pomology (Taxonomy – Economical importance)	1	2
Suitable environmental for growth and bearing of ever green and deciduous fruit trees – Establishment of fruit trees orchard	1	2
Propagation methods and techniques of fruit trees	2	4
Cultural practices that applied for fruit trees	2	4
1st Midterm exam and field trip	1	2
Important fruit trees species and cultivars that could be grown in Saudi Arabia (Evergreen fruit crops)	3	6
Important fruit trees species and cultivars that could be grown in Saudi Arabia (deciduous fruit crops)	3	6
2nd exam and field trip	1	2

2. Course components (total contact hours and credits per semester): **28 hours**

	Lecture	Tutorial	Laboratory	Practical	Other:	Total
Contact Hours	26	N/A	N/A	N/A	Field trip 2	28
Credit	2	N/A	N/A	N/A	N/A	2

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

N/A

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

	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
1.0	Knowledge		
1.1	Outline the basic concepts of fruit production includes physiology, environment and nutrition	Lectures – discussion	Written Test
1.2	Define properties and the fundamental advantages of the different varieties of fruit trees.	Lectures – discussion	Written Test
1.3	Recognize the various special agricultural practices and its effect on fruit trees	Lectures – discussion	Written Test
1.4	Define agricultural practices to establish and manage fruit orchards.	Lectures – discussion	Written Test
2.0	Cognitive Skills		
2.1	Analyze and develop solutions to problems associated with the various operations of fruit production.	Lectures – discussion	Written test
2.2	Reorganize and explain approaches to manage fruit orchards.	Lectures – discussion	Written test

2.3	Evaluate environmental factors affecting fruit trees production.	Lectures - discussion	Written test
2.4	Develop approaches to maintain sustainable production of fruit trees	Lectures - discussion	Report
3.0	Interpersonal Skills & Responsibility		
3.1	Show ability to constructively work in a group.	Lectures - discussion	Report and/ or written test
3.2	Demonstrate personal skills to identify factors affecting fruit production	Discussion	Written test
4.0	Communication, Information Technology, Numerical		
4.1	Show ability to calculate needed quantity of fertilizer applications.	Lecture	Written test
4.2	Illustrate abilities to identify and calculate quality parameters of fruits.	Lecture	Written test
5.0	Psychomotor		
5.1	N/A	N/A	N/A
5.2	N/A	N/A	N/A

5. Schedule of Assessment Tasks for Students During the Semester			
	Assessment task (e.g. essay, test, group project, examination, speech, oral presentation, etc.)	Week Due	Proportion of Total Assessment
1	1 st mid-term exam	Week 7	20%
2	2 nd exam	Week 14	20%
3	Reports	Week 13	20%
4	Final Exam	Date set by Univ.	40%
	Total		100%

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)

2 hours per week

E. Learning Resources

1. List Required Textbooks

- 1- Bacha, M A., (1998) Fruit Production In Saudi Arabia, Academic Publishing- King Saud Univ. Saudi Arabia.
- 2- Ibrahim, A. M., (1998) Fruit trees, Principles of cultivation, management and production. Manshaat Elmaaref Press, Alexandria, Egypt
- 3- El-Shazly, S. A. (1999) Technology of fertilization and irrigation of fruit trees in desert lands. Academic Library, Cairo, Egypt.
- 4- Ibrahim, A. M., (2005) Breeding and improvement of Fruit crops. Manshaat Elmaaref Press, Alexandria, Egypt

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

- 1- Agricultural Journal, Ministry of Agriculture, Saudi Arabia
- 2- FAO annual reports
- 3- HortScience
- 4- American Journal of Horticulture
- 5- Journal of King Saud University (Agriculture Sciences)
- 6- Journal of the advances in agriculture researches
- 7- Pakistan Journal of Biological Sciences

3. List Recommended Textbooks and Reference Material (Journals, Reports, etc)

4. List Electronic Materials (e.g. Web Sites, Social Media, Blackboard, etc.)

- www.moa.gov.sa
- www.fao.org
- Agricultural sites in network

5. Other learning material such as computer-based programs/CD, professional standards or regulations and software.

None

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.) Lecture rooms should accommodate 30 students
2. Computing resources (AV, data show, Smart Board, software, etc.) Smart classroom should be used.
3. Other resources (specify, e.g. if specific laboratory equipment is required, list requirements or attach list) None

G Course Evaluation and Improvement Processes

1 Strategies for Obtaining Student Feedback on Effectiveness of Teaching Course teaching evaluation by the students through “Edugate” system of King Saud University website by the end of each semester.
2 Other Strategies for Evaluation of Teaching by the Program/Department Instructor None
3 Processes for Improvement of Teaching <ul style="list-style-type: none"> Training sessions for instructors. Workshops to facilitate the exchange of experiences among faculty members. Regular colleagues meetings where problems are discussed and solutions given.
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) <ul style="list-style-type: none"> Students are given chance to double-check marking of their mid-term exams. According to KSU rules, students who believe they are under graded can have their papers checked by a second reviewer.
5 Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement. <ul style="list-style-type: none"> Compare syllabi and course description with other universities (including those on the net) Biannual meetings of faculty members to discuss improvement Have a curriculum review committee to review the curriculum periodically and suggest improvements

Faculty or Teaching Staff: Dr. Rashid S Al-Obeed

Signature:



Date Report Completed: 2014

Received by: Professor Nasser A. Al-Suhaibani Department Head

Signature: _____ Date: _____