



SULTAN QABOOS UNIVERSITY

COURSE OUTLINE

PROGRAM: Bachelor of Science in Plant Sciences

1. Course Code	PLNT3211	
2. Course Title	Ornamental Horticulture	
3. Credits	3Cr Hrs , 12 Cr Points, 6 ECTS	
4. Pre-requisite Course(s)	BIOL2101, PLNT2515	
5. Co-requisite Course(s)		
6. Equivalent Course(s)	CROP3211, CROP2011, HORT2011	
7. Incompatible Course(s)		
8. Course Category	<input type="checkbox"/> University Requirement	<input type="checkbox"/> University Elective
	<input type="checkbox"/> College Requirement	<input type="checkbox"/> College Elective
	<input checked="" type="checkbox"/> Department Requirement	<input type="checkbox"/> Department Elective
	<input type="checkbox"/> Specialization Requirement	<input type="checkbox"/> Specialization Elective
	<input type="checkbox"/> Other (specify):	
9. Course Owner	College: CAMS	Department: Plant Sciences
10. Course Type	<input type="checkbox"/> Lecture	<input checked="" type="checkbox"/> Lecture/Lab
	<input type="checkbox"/> Lecture/Seminar	<input type="checkbox"/> Lecture/Studio
	<input type="checkbox"/> Lecture/Tutorial	<input type="checkbox"/> Lecture/Lab/Tutorial or Seminar
	<input type="checkbox"/> Tutorial	<input type="checkbox"/> Laboratory (Practical)
	<input type="checkbox"/> Field or Work Placement	<input type="checkbox"/> Studio
	<input type="checkbox"/> Seminar	<input type="checkbox"/> Internship
	<input type="checkbox"/> Workshop	<input type="checkbox"/> Project
11. Language of Instruction	English	
12. Course Description		
Ornamental Horticulture is an introductory course which will cover all aspects of growing ornamental plants for their aesthetic and environment value. This course explains the basics of floriculture, landscape and home garden design, plant selection, management and maintenance of ornamental plants e.g. growing bedding plants, turf grasses, trees, shrubs, indoor plants, hard and soft landscaping. Course will enhance student's knowledge in understanding ornamental plants production systems, utilization and landscape management practices (seeding/planting, irrigation, fertilization, diseases/insect pests, pruning & training, machines/tool used etc.). It is also intended to improve student's practical ability to identify ornamental plants and their uses, nursery and propagation of practices used for ornamental horticultural plants.		
13. Teaching/Learning Strategies		
Lectures, Videos & E-learning tools Field trips Lab. sessions, reports and home assignments Presentation		
14. Assessment Components and Weight [%]		
<input checked="" type="checkbox"/> Quizzes 10	<input checked="" type="checkbox"/> Practical 12	<input type="checkbox"/> Other (specify):
<input checked="" type="checkbox"/> Homework assignments 8	<input checked="" type="checkbox"/> Project 15	
<input checked="" type="checkbox"/> In-term examination(s) 25	<input checked="" type="checkbox"/> Final examination 30	
15. Grading Method		
<input checked="" type="checkbox"/> A-F Scale <input type="checkbox"/> Pass/Not passed		
16. Textbook(s) and Supplemental Material		

1. Jack, E. Ingels. (2010). Ornamental horticulture, Science, Operations and Management. 4th edition. Delmar Cengage Learning, USA.
2. Lecture notes and handouts will be distributed to all registered students. However, the same will be available online on Moodle (moodle.squ.edu.om).
3. Landscape design tools/software

17. Matching Course Objectives with Program Outcomes and SQU Graduate Attributes

SQU Graduate Attributes		
A. SQU graduates should be able to: <ol style="list-style-type: none"> 1. apply the knowledge and skills relevant to the specialization 2. communicate effectively and use information and communication technologies 3. critically analyze complex information and present it in simple clear manner 	B. SQU graduates possess <ol style="list-style-type: none"> 1. interpersonal communication skills and alignment with culture of international labour market to assist them in practical life and in living successfully 2. skills and motivation for independent learning and engagement in lifelong learning and research 3. work ethics and positive values, and intellectual independence and autonomy 4. teamwork skills and display potential leadership qualities 	C. SQU graduates should <p>relish good citizenship qualities, be conscious of their national identity and be socially responsible, engage in community affairs and be mindful of contemporary issues.</p>

#	Intended Student Learning Outcome /Course Learning Objective	Relevant Program Outcome(s)	Applicable Attribute(s)
1.	To learn the basics of ornamental horticulture	A.1.1 Graduates will have knowledge and skills in crop sciences A.1.2 Graduates will have understanding of crop production systems in Oman	A1
2.	To identify ornamental plants, study the concept of landscape horticulture and floriculture	A.1.1 Graduates will have knowledge and skills in crop sciences A.1.2 Graduates will have understanding of crop production systems in Oman A.1.3 Graduates will have an understanding of elements of the crop farming business	A1
3.	Plants aesthetic value, to practice the basics of landscape design	A.1.1 Graduates will have knowledge and skills in crop sciences A.2.2 Graduates will be able to use the information technology for searching and processing data relevant to crop sciences A.3 Graduates will be able to analyze and interpret data, draw conclusion and propose solutions to different issues in crop production and protection	A1, A2, A3
4.	Propagation and uses of ornamental plants	A.1.1 Graduates will have knowledge and skills in crop sciences A.1.2 Graduates will have understanding of crop production systems in Oman B.2 Graduates will be motivated to engage in independent life-long learning	A1, B2
5.	Be able to know the ornamental plants, turf grass management	A.1.1 Graduates will have knowledge and skills in crop sciences B.1 Graduates will be able to compete with high standards of academic integrity and professionalism on the national and international scenes	A1, B1, B4

		B.4 Graduates will have the ability to build teams and work in team for target oriented tasks	
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16. Student Responsibilities

It is the student's responsibility to know and comply with all University Academic Regulations relevant to participation in this course. These regulations specifically include attendance requirement and students' academic code of conduct.

For attendance, it is the student's responsibility to be punctual and to attend all classes.

Students are expected to perform their work with honesty and avoid any academic misconduct, which is defined as the use of any dishonest or deceitful means to gain some academic advantage or benefit. This can take many forms, including but not limited to, the following: copying, plagiarism, collusion and forging documents. For full details, please refer to the Undergraduate Academic Regulations and to the Student Academic Misconduct Policy.

Additionally, this course requires that you:

COURSE INFORMATION			
Course Code	PLNT3211	Course Title	Ornamental Horticulture
Semester/ Year	Fall	Section(s)	10, 11
Day, Time, and Place	TBD		
Course Coordinator	Mumtaz Khan		
Office Location	CAMS, Lab. 1019 (Room#1020)	Office Hours	TBD
Office Tel. Ext.	1216	Email	mumtaz@squ.edu.om

Tentative Schedule			
Week	Lecture #	Topic/Material to be covered	Assessment
1	1	Course outline & requirements, general introduction to Ornamental Horticulture	
2	2	Introduction of Ornamental Plant, Importance of Ornamental Plants	
3	3	Horticultural Classification of Ornamental Plants	
4	4	Outdoor Landscape Plants	
5	5	Indoor Florist Plants/Florist crops	Quiz1, 5%
6	6	Landscape Architecture / elements of design	
7	7	Landscape & Garden Design	Test1, 12%
8	8	Growing and Management of Ornamental Plants	
9	9	Greenhouse technology, Maintenance of landscape plants,	
10	10	Plant selection for the landscape , Pests and diseaes	Quiz2, 5%
11	11	Turfgrass and turfgrass management	
12	12	Growing & maintenance of florist Plants	Test2, 13%
13	13	Maintenance of indoor plants, Growing cut flowers, foliage palnts, herbaceous plants	
14	14	Lecture and Lab. review, Finalize project discussion, Project + Presentations, Reports	Project,15%, Reports, 8%
15	15	Project + Presentations and final lab exam	Lab. exam, 12%
16	16	Final exam	Final exam, 30%
17			

APPENDIX A: INSTRUCTORS OF MULTIPLE SECTIONS

[illegible]

APPENDIX B: ADDITIONAL INFORMATION