



SULTAN QABOOS UNIVERSITY

COURSE OUTLINE

PROGRAM: Bachelor of Science

1. Course Code	PLNT4904	
2. Course Title	Research Project in Plant Sciences-II	
3. Credits	3 Cr Hrs, 12 Cr Points, 6 ECTS	
4. Pre-requisite Course(s)	PLNT4903	
5. Co-requisite Course(s)	None	
6. Equivalent Course(s)	CROP4902, CROP4900, PLNT4900	
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 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 checked="" type="checkbox"/> Project
11. Language of Instruction	English	
12. Course Description		
<p>This course is a follow up of PLNT4903 Research Project in Plant Sciences - I (RPPS-I). The purpose of this course is to cover the main stages of the proposed project, including how to conduct experiments, obtain experimental data, analyze and interpret data, draw conclusions, and make recommendations based on the results obtained.</p> <p>Course Learning Objectives:</p> <p>The primary objective of the course is to train the students on the implementation of the developed research proposal, the conduct of planned experiments in a professional way following precision data collection and analyses, the ability to identify the most appropriate methods of interpreting the results and developing conclusive comments and recommendations. This involves the development of a comprehensive Final Report (including the chapter completed under PLNT4903) and making an oral presentation to the examination committee and invited audience.</p>		
13. Teaching/Learning Strategies		
<p>Conducting laboratory or field experiments (including data recording)</p> <p>Date analysis and interpretation</p> <p>Writing final project report</p> <p>Oral Presentation</p>		
14. Assessment Components and Weight [%]		
<input type="checkbox"/> Quizzes	<input type="checkbox"/> Practical	<input checked="" type="checkbox"/> Other (specify): 100% Supervisor: To train students to work independently or as a team and complete given tasks in a given time scale (16%)

		Oral: Oral presentation evaluated by the supervisor, external examiner and two other faculty: 24% Report: Research project completion report evaluated by the supervisor (30%) and by the external examiner (30%)
<input type="checkbox"/> Homework assignments	<input type="checkbox"/> Project	
<input type="checkbox"/> In-term examination(s)	<input type="checkbox"/> Final examination	
15. Grading Method		
<input checked="" type="checkbox"/> A-F Scale <input type="checkbox"/> Pass/Not passed		
16. Textbook(s) and Supplemental Material		
Rowena, M. 2017. How to Write a Thesis. McGraw-Hill Education, New York		

17. Matching Course Objectives with Program Outcomes and SQU Graduate Attributes		
SQU Graduate Attributes		
A. SQU graduates should be able to: 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 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 relish good citizenship qualities, be conscious of their national identity and be socially responsible, engage in community affairs and be mindful of contemporary issues.

#	Intended Student Learning Outcome /Course Learning Objective	Relevant Program Outcome(s)	Applicable Attribute(s)
1.	To introduce students to independent research project	Upon completion of the course, the students will be able to design and carry out independent research project on the selected topic of interest.	A1
2.	To provide students with opportunities to develop skills involved in collection of literature, designing experiments, conducting experiments, data analysis and preparation of scientific reports.	Upon completion of the course, the students will be able to understand how to collect literature, prepare project proposals, use laboratory instrument, collect data and analyze data.	A1
3.	To provide students with opportunities to improve their skills for oral presentation and to write scientific reports.	Upon completion of the course, the student will have ability to write project report/research papers and present the methodology of the proposal.	A2, A3
4.	To provide students with opportunities to understand ethics in research.	Upon completion of the course, the students will be able to understand ethics in research.	A3
5.	To provide students with the opportunity to develop their scientific leadership skills.	Upon completion of the course, students will be able to refine and reassess their own career goals as a result of the experience they gained. .	B3, B4
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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	PLNT4904	Course Title	Research Project in Plant Sciences- II
Semester/ Year	SP/FL/SU	Section(s)	20
Day, Time, and Place			
Course Coordinator	XXXXX		
Office Location	AGR Annex 221	Office Hours	
Office Tel. Ext.	1214	Email	XXX@squ.edu.om

Tentative Schedule			
Week	Lecture #	Topic/Material to be covered	Assessment
1		A review and revisions of the proposal	
2		Developing experiments/ questionnaire surveys	
3		Initiate experiments/ questionnaire surveys	
4		Continuation of experiments/ questionnaire surveys	
5		Continuation of experiments/ questionnaire surveys	
6		Arrangement, organization of the data collected	
7		Arrangement, organization of the data collected	
8		Arrangement, organization of the data collected	
9		Analyses of the collected data	
10		Analyses of the collected data	
11		Final report preparation	
12		Final report preparation	
13		Submission of the final report	50% (Evaluated by the supervisor and external examiner)
14		Oral presentation of the research proposal	50% (Evaluated by the supervisor, external examiner and two other faculty members)
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APPENDIX A: INSTRUCTORS OF MULTIPLE SECTIONS

[illegible]

APPENDIX B: ADDITIONAL INFORMATION