

SULTAN QABOOS UNIVERSITY

COURSE OUTLINE

PROGRAM: Bachelor of Science

I. Course Code PLNT4903 Course Title Research Project in Plant Sciences-I S. Credits 3(CrHs. J. Cr Ploms, 6 ECTS) Pre-requisite Course(s) PLNT3000 or BIOL3011, PLNT3011, PLNT321, PLNT322, PLNT3526, BIOL2101, CAMS2000, CAMS300,								
2. Course Title Rescarch Project in Plant Sciences-I 3. Credits 3(Cr HIS, 12 Cr Poins, 6 ECTS) 4. Pre-requisite Course(s) PLNT3000, PLNT301, PLNT3121, PLNT322, PLNT3522, BIOL2101, CAMS2000, CAMS2000, CAMS3000, CAMS3000, CAMS3001, CHEM2101; Completion of a minimum of 87 credits 5. Co-requisite Course(s) Nor 6. Equivalent Course(s) Course Category University Requirement Department Pleation 7. Incompatible Course(s) Course Category College Requirement Department Pleation 9. Course Category Course Category Course Category Course Category 9. Course Owner College: CAMS Department: Plant Sciences 10. Course Type Cateure/Station Requirement Department: Plant Sciences 11. Language of Instruction Electure/Station Requirement Station 12. Course Owner College: CAMS Department: Plant Sciences 13. Course Gregory Electure/Station Requirement Language of Instruction 14. Language of Instruction Electure/Station Requirement Station 15. Course Station Requirement Course Station Requirement Interversite Station 16. Course Gregory Electure/Station	1.	Course Code	PLNT4903					
3. Credits 3(Cr His. 12 Cr Points. 6 ECTS) 4. Pre-requisite Course(s) PLNT3000 or BIOL3011, PLNT3011, PLNT3211, PLNT3221, PLNT3525, BIOL2101, CAMS2000, CAMS3000, CAMS3000, CAMS3000, CHEM2101; Completion of a minimum of 87 credits 5. Co-requisite Course(s) None 6. Equivalent Course(s) Imnimum of 87 credits 7. Incompatible Course(s) College Requirement College Requirement College Elective Specialization Requirement Department Elective Specialization Requirement Department Elective College: CAMS Department Plant Sciences 10. Course Type Clecture/Cominar Lecture/Lab Clecture/Turorial Lecture/Lab Lecture/Lab Clecture/Turorial Laboratory (Practical) Field or Work Placement Workshop Project II. 11. Language of Instruction English Electure/Turorial This course is designed to provide students with the opportunities to carry out independent research as a part of his/her undergraduate Research Project to their supervisors and the experiment and develop the proposal. At the end of the course, will collect literature, design experiments and develop the proposal. At the end of the course, will collectliter at undernic supervisors and the experiment and a teoporting or as a team and complete a given tink in a giver time scale. (supervisor and extern	2.	Course Title	Research Project in Plant Sciences- I					
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Homework assignments	Project						
In-term examination(s)	Final examination						
15. Grading Method	15. Grading Method						
A-F Scale Pass/Not passed							
16. Textbook(s) and Supplemental Material							
Friedland, A.J., C.L. Folt and J.L. Mercer. 2018. Writing Successful Science Proposals. Third edition, Yale University Press, New Haven, CT 06520-9040							
Terrell, S.R. 2022. Writing a Proposal for Your Dissertation: Guidelines and Examples. Second edition, Guilford Publications, NY 10001-1020							

Thomas, .C.G. 2021. Research Methodology and Scientific Writing. Springer Cham

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

	SQU Graduate Attributes					
A.	SQU graduates should be able to:	B.	SQU graduates possess	C.	SQU graduates should	
1.	apply the knowledge and skills relevant to the specialization	1.	interpersonal communication skills and alignment with culture of international		relish good citizenship qualities, be conscious of	
2.	communicate effectively and use information and communication technologies	2.	labour market to assist them in practical life and in living successfully skills and motivation for independent		their national identity and be socially responsible, engage in	
3.	critically analyze complex information and present it in simple clear manner	3.	learning and engagement in lifelong learning and research work ethics and positive values, and intellectual independence and autonomy teamwork skills and display potential leadership qualities		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 and preparation of scientific proposals.	Upon completion of the course, the students will be able to understand how to collect literature, prepare project proposals and metholodgy of data collection.	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. The students will have ability to effectively communicate orally and in writing.	A2, A3
4.	Summarizing the literature review and using library and internet resources	The students will be able to use the information technology tools for searching infromation relevant to their field. The students will have ability to analyse the literature and present in simple and clear manner.	A2, A3, B2
5.	Understanding and implementing ethics in research and scientific writing	The students will be motivated to engage in independent life-long learning. The students will be able to apply the work ethics and positive values in their work, and will be able to demonstrate be intellectual independence and autonomy.	B2, B3

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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 PLNT4903 Course Title Research Project in Plant Sciences- I						
Semester/ Year	SP/FL/SU	Section(s)	10			
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		Student and supervisor project development meeting			
2		Student and supervisor project development meeting			
3		Student and supervisor project development meeting			
4		Literature search			
5		Literature search			
6		Literature search			
7		Development of a research question and hypothesis			
8		Methodology development			
9		Methodology development			
10		Experimental research design			
11		Research project proposal write-up			
12		Research project proposal write-up			
13		Research project proposal submission	40% (Evaluated by		
			the supervisor and		
			external examiner)		
14		Oral presentation on the research project proposal	30% (Evaluated by		
			the supervisor &		
			30% by the external		
			examiner)		
15					
16					
17					

APPENDIX A: INSTRUCTORS OF MULTIPLE SECTIONS							
Section Instructor		Day, Time, and Place	Office Location and Extension	Email	Office Hours		

APPENDIX B: ADDITIONAL INFORMATION