



Jordan University of Science and Technology
Faculty of Agriculture
Plant Production Department

PP400 Summer Training

Summer Semester 2019-2020

Course Catalog

6 Credit Hours. This course aims at providing students with the professional and behavioral skills needed for their future work. The student will get training for 7-8 weeks in different work sites such as local municipalities, agricultural departments, Ministry of Agriculture, farms and research centers under the joint supervision of the college and the respective authorities. practicum experience serves four purposes: 1. Gives you an opportunity to explore various career possibilities in plant production and protection. 2. Building on classroom knowledge, gives you an opportunity to learn those disciplines, skills and attitudes, which can best or only be learned on the job, especially self-discipline, teamwork, responsibility, and initiative. 3. Further develops practical skills in a real-world context 4. Provides an opportunity to strengthen your portfolio or resume with practical experience and projects. 5. Provides a learning experience for the student that may lead to entry-level job opportunities within the government agency or Industry.

Text Book

Title	Farmer Annual Guide (In Arabic)
Author(s)	NARC and Ministry of Agriculture
Edition	1st Edition
Short Name	Ref # 1
Other Information	NARC publications 2011

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref # 2	Fertigation التسميد بالري (in Arabic)	Khader, A. Obiadat E.	1st Edition	NARC publications 2018
Ref # 3	Training and pruning of fruit trees (in Arabic)	Juron, Kh.	2nd Edition	NARC publications 2007
Ref #4	Date Palm trees	Al Qasem, M	1st Edition	1997

Ref # 5	Technical Guideline for olive and olive production in Jordan (in Arabic)	NARC	1st Edition	NARC publications 2018
Ref # 6	Common Pomegranate cultivars in Jordan	Juron, Kh.	1st Edition	NARC publications 2009
Ref # 7	Apple cultivars and Rootstocks (in Arabic)	Aoub, S. and others	1st Edition	NARC publications 2009
Ref # 8	Technical Guideline for Grapes production in Jordan (In Arabic)	Thunibat M and others	1st Edition	NARC publications 2007
Ref # 9	Technical Guideline for Peaches and Nectarines production in Jordan	Qudah, J and others	1st Edition	NARC publications 2007
Ref # 10	Apple Production (in Arabic)	Tarawneh and Sabileh	1st Edition	NARC publications 2007
Ref # 11	Cucumber integrated pest management	Hawamdeh and others	1st Edition	GTFS project Publications 2008
Ref # 12	Crop protocols: Strawberries	Shunikat E and others	1st Edition	NARC publications 2007
Ref # 13	Potato Production (in Arabic)	Abu Redaha, M and Abu Shirbi A	1st Edition	NARC publications 2011

Instructor

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Instructor

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Class Schedule & Room

<p>Section 1: Lecture Time: Sun, Mon, Tue, Wed : 08:30 - 14:30 Room: منصة الكترونية</p> <p>Section 2: Lecture Time: Sun, Mon, Tue, Wed : 08:30 - 14:30 Room: منصة الكترونية</p>

Teaching Assistant

Tentative List of Topics Covered		
Weeks	Topic	References
Weeks 1, 2	Visiting Fruit trees farms in neighboring Mafraq area (stone fruits and grape farms) and practicing the following operations: summer pruning, application of pesticides, scouting for plant pests, fertigation, harvesting	From Ref # 3 , From Ref # 5 , From Ref # 8 , From Ref # 9
Week 3	Visiting organic farms in two locations and practicing the following: composting, scouting for pests and diseases, application of natural products, harvesting and handling of organic produce, demonstrations of farming inputs allowed in organic farms and labelling of organic produce.	From Ref # 2 , From Ref # 3 , From Ref #4 , From Ref # 6 , From Ref # 10
Week 4	Visiting vegetable farms in Ramatha, Baqa, Jarash and Agricultural Research & training station at University campus and practicing the following farm operations: preparation of plastic houses for cultivation, planting different vegetable crops both in plastic tunnels and in the open field, practicing fertigation, application of pesticides, training and pruning of vegetable crops, and scouting for pests and diseases.	From Ref # 2 , From Ref # 5 , From Ref # 11 , From Ref # 12 , From Ref # 13
Week 5	Field trips to date palm farms in Jordan Valley and practicing farm operations including methods of management of Red palm weevil, fruit and punch thinning. Field trip to Pomegranate farms and practicing pruning and fruit thinning and pest management. field trips to olive grooves in Irbid Governate and practicing manufacturing of pheromone trap for management of olive fruit fly and identification of different olive cultivars grown in Jordan. Field trip to citrus orchards in Jordan Valley, practicing pruning of trees and grafting and budding of citrus trees, identifying different citrus trees grown in Jordan Valley	From Ref # 1 , From Ref # 3 , From Ref #4 , From Ref # 6
Week 6	Field trips to Mushroom cultivation farms in Al Khaldieh_Mafraq and practicing composting and other operations of mushroom cultivation, harvesting and packing. field trips to fruit trees nurseries in Al Mafraq and practicing grafting and budding on different fruit trees including, Pome fruits, stone fruits and grapes.	From Ref # 3 , From Ref # 7 , From Ref # 9 , From Ref # 10

Week 7	Visit to Natural reserves in different locations in Jordan including: Ajloun Reserve, Royal Botanic Garden in Al Ruman, Jerash. During these field visits students are introduced to natural flora of Jordan, methods of preservation of Endangered plant species, conservation of germplasm in seed banks and all issues related to biodiversity.	
Week 8	Students presentation of the practical training experience or internships and final comprehensive exam.	

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Show understanding of organization/ industry customs and practices and practice ethical standards appropriate to the internship site. [1PLO6, 1PLO7]	15%	Final Exam
Apply professional skills that pertain directly to the internship experience and adapt effectively to changing conditions. [1PLO3, 1PLO4]	15%	Final Exam
Demonstrate effective verbal and written communication skills and demonstrate effective listening skills. [1PLO7]	20%	Final Exam
Participate well as a team member and build professional network [1PLO7]	15%	Student's Reports
Practice appropriate workplace attitudes and individual responsibility. [1PLO6, 1PLO7]	15%	Student's Reports
Develop effective management of personal behavior, ethics and attitudes and allocate time effectively to achieve goals. [1PLO7]	20%	Student's Reports

Relationship to Program Student Outcomes (Out of 100%)						
PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7
		7.50	7.50		15	70

Evaluation	
Assessment Tool	Weight
Student's Reports	50%
Final Exam	50%

Policy	
Internship policies	<p>Submit the following documents before beginning your internship:</p> <ol style="list-style-type: none"> 1. Intern Information Form (you fill out and submit). 2. A minimum of 180 clock hours must be accumulated on your internship during the semester. This is an average of about six hours per working day, finishing before final exam week. 3. Finalize a work schedule with your supervisor. 4. Attach time sheets to your weekly reports. 5. Perform well on the job. The Internship supervisor can fire any intern who is not performing satisfactorily or who is causing problems. If this occurs, the intern's grade will be an F. 6. Internships that do not work out for reasons beyond the control of the intern will be dealt with on a case-by-case basis.

<p>Course Assessment methods:</p>	<p>Course Assessment methods:</p> <p>Weekly Reports:</p> <ol style="list-style-type: none">1. Weekly reports must be typed, edited and proofread, and typically run a couple of pages, (1.5-spaced).2. Report can either be written in Arabic or English3. Describe what you did that week. If you are having any problems or have any questions, please share that with your instructor and or supervisor.4. Discuss what skills and knowledge you were developing.5. Reports are due by Thursday, every week.6. Only one report may be submitted up to one week late without penalty; after that there is penalty of two points for one week's lateness, four points for more than a week's lateness. There is also a penalty of three points if the time sheet is not attached.
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