



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

PP491 Seminar

First Semester 2018-2019

Course Catalog

1 Credit Hours. Individual term paper presentation and group discussions by students on current subjects and problems within the area of field crops or horticulture. This course cannot be repeated for credit. (Prerequisite: Completion of 90 credit hours (PASS)).

Text Book

Title	Handouts
Author(s)	Variable
Edition	1st Edition
Short Name	Ref. #1
Other Information	

Instructor

Name	Dr. Mohammad Al Salem
Office Location	M1 L2
Office Hours	Sun : 13:30 - 15:00 Mon : 11:30 - 13:00 Tue : 10:30 - 12:00 Wed : 10:30 - 12:00
Email	mmalsalem2@just.edu.jo

Class Schedule & Room

Section 2:

Lecture Time: Mon : 13:00 - 14:00

Room: C3018

Section 3:

Lecture Time: Tue : 13:30 - 14:30

Room: C5024

Tentative List of Topics Covered

Weeks	Topic	References
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Students will get training and written material on how to prepare a presentation including the following topics: ? How to search the literature for significant journal articles on the seminar subject. ? How to distinguish between peer reviewed original research articles and review articles. ? How scientific research is conducted and communicated (including identifying research problem, research objectives, literature review, materials and methods of the research, results (how results are presented in different format including figures, tables and illustrations), how to read the discussion section and how results are interpreted and presented, and conclusions. ? How to prepare an outstanding presentation including different components of the presentation (introduction, problem statement, research objectives, methods, data presentation, interpretation of results and conclusions, future avenues for this research and impact on society. ? How to highlight the most significant findings of the research presented	

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Improve their science literacy by being exposed to a broad range of seminar topics and speakers. [5PLO1, 5PLO6, 5PLO7]	15%	Final Exam
Distinguish and integrate differing forms of knowledge and academic disciplinary approaches (e.g., sciences and humanities) with that of the student?s own academic discipline (e.g., in agriculture, natural resources, etc.). And apply a multidisciplinary strategy to address current, real-world issues. [10PLO2, 5PLO3]	20%	Final Exam
Appreciate the importance of clearly stating research questions and rationale, recognizing novel research, becoming aware of funding source as well as identifying the significance and applicability of research in crop production, food security, and a socio-economic and public health context. [5PLO4, 5PLO5, 5PLO6]	15%	Final Exam
4. Engage in discussions on various aspects of plant science, experimental design, hypothesis testing and presentation formats. [5PLO1, 5PLO2, 5PLO3, 5PLO4]	20%	Final Exam
Develop skills in facilitating a discussion, guiding the conversation to steer the group to better understand the subject matter or discussion point, and develop communication and leadership skills and intellectual independence. [2PLO2, 5PLO5, 8PLO6, 3PLO7]	20%	Final Exam
Improve oral and written communication skills. [1PLO3, 1PLO4, 1PLO5, 1PLO6, 6PLO7]	10%	Final Exam

Relationship to Program Student Outcomes (Out of 100%)						
PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7
10	20.56	12.67	11	11.56	19.89	14.33

Evaluation	
Assessment Tool	Weight
Final Exam	100%

Policy	
Study and examination requirements and forms of examination	<p>Senior Seminar is regarded by the plant production faculty as a capstone course. It requires the student to conduct library research using the scientific literature to examine a plant science topic, synthesize and interpret the results / findings and present the information orally. The students are evaluated by faculty and their peers. Faculty meet annually to discuss observed strengths and weaknesses.</p> <p>Oral presentation of students are evaluated by</p> <ul style="list-style-type: none"> -Student advisor (25 points of final grade) -Faculty and students evaluation (75 points of the final grade) <p>Seminar evaluation form contain the following components:</p> <ol style="list-style-type: none"> 1. Appearance (* Attire) (5 points) 2. Narrative (10 points) <ul style="list-style-type: none"> -Composure/attitude -Eye contact -Voice control -Distracting mannerisms 3. Visual aids (10 points) <ul style="list-style-type: none"> -Relevant/ effective -Quality --Significant points 4. Organization (10 points) <ul style="list-style-type: none"> -Introduction -Logical flow -Appropriate level/technology -Summary and conclusions 5. Technical Content (30 points) <ul style="list-style-type: none"> -Knowledge of subject -Coverage of subject (appropriate detail and complexity) 6. Reception and responses to questions and discussion (10.0 points) <ul style="list-style-type: none"> -Students grades are usually adjusted to normal distribution
Reading list	Students are provided with a list of most important Journals that publish significant research in different disciplines of plant sciences, students are required to focus on most recent research articles published in the last 5 years in high impact factor research Journals.

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