



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

PP712 Legume And Cereal Crops

First Semester 2023-2024

Course Catalog

3 Credit Hours. The course will describe fundamental principles and facts about cereal and seed legume crops as agricultural resources in terms of their nutritional value as human food and livestock feed, and the utilization including harvesting and preservation, growth and development, maintenance of production, establishment, and the integration of these topics to provide an understanding of how sustained yields of high quality is attained.

Teaching Method: On Campus

Text Book

Title	Growth and mineral nutrition of field crops
Author(s)	Nand & Baligar, V. & Jones, Charles.
Edition	3rd Edition
Short Name	Growth and mineral nutrition of field crops
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Cereals and Pulses	Cereals and Pulses: Nutraceutical Properties and Health Benefits	Liangli (Lucy) Yu Rong Tsao Fereidoon Shahidi	1st Edition	
Advances in Legume Science	Advances in Legume Science	Summerfield, R. J. and A. H. Bunting.	1st Edition	
Manual On Crop Production	Practical Manual On Crop Production (Cereals, Millets, Pulses And Fodders)	Yakadri	1st Edition	
Botany of Field Crops	Botany of Field Crops- Cereals, Pulses and Oilseeds Crops	Jata S. Nanda & P.K. Agrawal	1st Edition	

Instructor	
Name	Prof. Munir Turk
Office Location	C4L2
Office Hours	Sun : 09:00 - 10:30 Mon : 09:00 - 12:00 Mon : 14:00 - 15:30 Tue : 09:00 - 10:30 Wed : 10:30 - 12:30
Email	munatur@just.edu.jo

Class Schedule & Room
Section 1: Lecture Time: Sun, Tue : 13:30 - 15:00 Room: LAB

Tentative List of Topics Covered		
Weeks	Topic	References
Weeks 1, 2	Chapter 1	Ch.1 From Growth and mineral nutrition of field crops
Weeks 3, 4	ch2	From Cereals and Pulses
Weeks 5, 6, 7, 8, 9	ch3	ch3 From Advances in Legume Science
	Ch3,4,5,6	ch4,5,6,7 From Manual On Crop Production
Weeks 10, 11, 12, 13, 14	ch7	ch7 From Botany of Field Crops

Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Knowledge of plant science and crop production management [25PLO1]	25%	First Exam, Final Exam, Second Exam.
Concepts of plant biology, plant physiology, systematics, ecology, and genetics [10PLO1, 15PLO2]	25%	First Exam, Final Exam, Second Exam.
Methods of propagation, training, pruning, and production of field crops [5PLO1, 15PLO3, 10PLO4]	25%	First Exam, Final Exam, Second Exam.
Agricultural practices that lead to sustainable solutions [5PLO5, 10PLO6, 10PLO7]	25%	Final Exam, Second Exam.

Relationship to Program Student Outcomes (Out of 100%)						
PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7
39.17	15	12.5	8.33	5	10	10

Evaluation

Assessment Tool	Weight
First Exam	25%
Final Exam	50%
Second Exam.	25%

Policy	
Course Policy	A student's participation in the work of a course is a precondition for receiving credit for the course. Students are expected to attend punctually all lectures and to participate in course assignments and activities as described in the course syllabus. Students registering late or who miss class are expected to make up all missed assignments in a manner determined by the instructor.

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