

Course Description Form Seed Technological

Course Name	
Seed Technological	
CourseCode	
SEET313	
Semester/ Year	
Second / 2025	
Date of preparation of this description	
15 January 2025	
Available attendance forms :	
Full-time (theoretical lecture and practical lecture) weekly	
Number of Credit Hours (Total)/ Number of Units (total)	
2 theoretical hours and 3 working hours per week for 14 weeks, the number of units is 3.5 units	
Name of the course administrator (if more than one name is mentioned)	
Name: Dr. Hassan Ali Majeed Email: hasanmajeed@uodiyala.edu.iq	
Othman Nassif Jassim	
Course Objectives	
Objectives of the course :	<ol style="list-style-type: none"> 1- Processing high-quality seeds, meaning seeds of high-yielding varieties, disease and insect-resistant varieties. 2- Increase agricultural production by providing high-quality seeds. 3- Ensure rapid propagation of seeds of desired varieties. 4- Provide seeds in a timely manner , well in advance of planting season. 5- Providing seeds at reasonable prices.

Teaching and Learning Strategies

Strategy	• In-person lectures for 14 weeks, interspersed with two monthly exams, daily exams and scientific reports
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Theoretical

Course Structure

Week	Credits	Intended Learning Outcomes	Module / Course Name or	Teaching*method	Evaluation Method
1	2	Fundamentals of Seed Technology	Seed Technological	Explanation and model presentation and lecture Brainstorming Debating and discussing Brainstorming	Examinations Daily and Monthly Final and Reports day
2	2	Parts of Venus	Seed Technological	Explanation and model presentation and lecture Brainstorming Debating and discussing Brainstorming	Examinations Daily and Monthly Final and Reports day
3	2	Seed Ingredients	Seed Technological	Explanation and model presentation and lecture Brainstorming Debating and discussing Brainstorming	Examinations Daily and Monthly Final and Reports day
4	2	Seed Physiology	Seed Technological	Explanation and model presentation and lecture Brainstorming Debating and discussing Brainstorming	Examinations Daily and Monthly Final and Reports day
5	2	Seed activation	Seed Technological	Explanation and model presentation and lecture	Examinations Daily and Monthly

				Brainstorming Debating and discussing Brainstorming	Final and Reports day
6	2	Seeding rate	Seed Technological	Explanation and model presentation and lecture Brainstorming Debating and discussing Brainstorming	Examinations Daily and Monthly Final and Reports day
		Test 1			Seed Technological
7	2	On-site inspection	Seed Technological	Explanation and model presentation and lecture Brainstorming Debating and discussing Brainstorming	Examinations Daily and Monthly Final and Reports day
8	2	Growth Regulators	Seed Technological	Explanation and model presentation and lecture Brainstorming Debating and discussing Brainstorming	Examinations Daily and Monthly Final and Reports day
9	2	Seed chemical components	Seed Technological	Explanation and model presentation and lecture Brainstorming Debating and discussing Brainstorming	Examinations Daily and Monthly Final and Reports day
10	2	Polyembryonic Phenomenon	Seed Technological	Explanation and model presentation and lecture Brainstorming Debating and discussing Brainstorming	Examinations Daily and Monthly Final and Reports day
11	2	SECOND TEST	Seed Technological	Explanation and model presentation and lecture	Examinations Daily and Monthly Final and Reports

				Brainstorming Debating and discussing Brainstorming	day
12	2	Single-cotyledon seeds	Seed Technological	Explanation and model presentation and lecture Brainstorming Debating and discussing Brainstorming	Examinations Daily and Monthly Final and Reports day
13	2	Dicotyledon seeds	Seed Technological	Explanation and model presentation and lecture Brainstorming Debating and discussing Brainstorming	Examinations Daily and Monthly Final and Reports day
			Seed Technological		
14	2		Seed Technological	Explanation and model presentation and lecture Brainstorming Debating and discussing Brainstorming	Examinations Daily and Monthly Final and Reports day
15	2		Seed Technological	Explanation and model presentation and lecture Brainstorming Debating and discussing Brainstorming	Examinations Daily and Monthly Final and Reports day

Practical Part					
Week	Credits	Intended Learning Outcomes	Seed Technological	Learning Method	Evaluation Method
1	3	Seed parts	Seed Technological	Case history Brainstorming Debating and discussing	Examinations Daily and Monthly Final and Reports

2	3	Anatomy of the components of Venus	Seed Technological	Case history Brainstorming Debating and discussing	Examinations Daily and Monthly Final and
3	3	Seed Ingredients	Seed Technological	Case history Brainstorming Debating and discussing	Examinations Daily and Monthly Final and
4	3	Germination	Seed Technological	Case history Brainstorming Debating and	Examinations Daily and Monthly
5	3	Germination	Seed Technological	Case history Brainstorming Debating and	Examinations Daily and Monthly
6		Studying the necessary equipment for	Seed Technological		Examinations Daily and Monthly
7	3	Quiz 1	Seed Technological	Case history Brainstorming Debating and discussing	Examinations Daily and Monthly Final and
8	3	Sampling of Forms	Seed Technological	Case history Brainstorming Debating and discussing	Examinations Daily and Monthly Final and
9	3	Seed consignments	Seed Technological	Case history Brainstorming Debating and	Examinations Daily and Monthly
10	3	humidity	Seed Technological	Case history Brainstorming Debating and	Examinations Daily and Monthly
11	3	Storage	Seed Technological	Case history Brainstorming Debating and discussing	Examinations Daily and Monthly Final and
12		SECOND TEST	Seed Technological		
13	3		Seed Technological	Case history Brainstorming Debating and	Examinations Daily and Monthly
14	3		Seed Technological	Case history Brainstorming Debating and discussing	Examinations Daily and Monthly Final and

Daily and monthly exams, reports and student effectiveness during the lecture .

Learning and Teaching Resources;

Required textbooks (methodology if any)	1- Seed Technology Book Jalal Hamid Hamza 2- Seed Technology Practical Part Riad Jabbar Mansour 3- Foundations of Seed Science and Technology Alft Al-Bagouri
Key References (Sources)	Recent articles from the Internet, specialised scientific journals, the Journal of Agricultural Sciences - Iraq and the Virtual Library.
Recommended supporting books and references (scientific journals,	Iraqi academic scientific journals
E-References, Websites	Crop Science Society Of America ISTA,1985)