**بسم الله الرحمن الرحيم**

**University:Diyala**

**College:** **Agriculture**

**Department: Field crops Sciences**

**Stage: three**

**Lecturer name: Hassan Ali Majeed**

**Qualification: Ph.D**

**Place of work:** **Agriculture**

**Republic of Iraq**

**The Ministry Of Higher Education**

**& Scientific Research**

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**Flow up of implementation celli pass play**

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| --- | --- | --- | --- | --- | --- |
| Hassan Ali Majeed | | | | | Course Instructor |
| **hasanmajeed@uodiyala.edu.iq** | | | | | E-mail |
| Seed technology | | | | | Title |
| weeks12 | | | | | Course Coordinator |
| Study of all types of seeds, their internal structures, seed vitality and strength, and the basic processes of seed germination | | | | | Course Objective |
| Defining seed technology, knowing the goals of seed technology, studying the parts of the flower, the processes of pollination and fertilization, the most important chemical components of seeds, parts of the seed, seed physiology, and seed latency. | | | | | Course Description |
| Seed technology book Jalal Hamid Hamza 2017 | | | | | Textbook |
| Final Exam | Project | Quizzes | Laboratory | Term Tests | Course Assessments |
| 40% | 20% | 10% | 15% | 15% |
| Scientific visits | | | | | General Notes |

**University: Diyala**

**College: Agriculture**

**Department: : Field crops Sciences**

**Stage: three**

**Name: Hassan Ali Majeed**

**Academic Status:teacher**

**Qualification: Ph.D**

**Place of work:** **College of Agriculture**



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**Course Weekly Outline of**

|  |  |  |  |
| --- | --- | --- | --- |
| **week** | **Data** | **Topics Covered** | **Practical Part** |
| 1 | **8/2/ 2024** | Basics of seed technology | Parts of the seed |
| 2 | **15/2/2024** | Parts of a flower | Anatomy of the components of a flower |
| 3 | **22/2/2024** | Seed components | Seed components |
| 4 | **29/2/2024** | Seed physiology | Germination check |
| 5 | **7/3/2024** | Seed activation | Germination speed |
| 6 | **Test 1** | | |
| 7 | **20/3/2024** | Piety | Study the necessary laboratory equipment |
| 8 | **28/3/2024** | Field inspection | Drawing samples for models |
| 9 | **4/4/2024** | Dicotyledonous seeds | Seed consignments |
| 10 | **11/4/2024** | Growth regulators | Humidity check |
| 11 | **18/4/2024** | Chemical components of seeds | Storage methods |
| 12 | Second test | | |
| 13 | **2/5/2024** | The phenomenon of multiple fetuses |  |
| 14 | **9/5/2024** | Monocot seeds |  |
| 15 |  |  |  |

**Instructor Signature: Dean Signature:**