

**Republic of Iraq**

 **The Ministry of Higher Education**

 **& Scientific Research**

**University: Alqadisiya University**

**College: College of Biotechnology**

**Department:Agrecalture Biotechnology**

**Stage:First stage**

**Lecturer name:** Sadyiah Y.

**Academic Status:Assistance prof.**

**Qualification:PHD**

**Place of work: Alqadisiya University**

 **Course Weekly Outline**

|  |  |
| --- | --- |
| **Course Instructor** | Sadyiah Y. |
| **E\_mail** | Type your mail as example mail@yahoo.com |
| **Title** | Type here course title |
| **Course Coordinator** | Type here the came of course coordinator |
| **Course Objective** | Type here vourse objectives |
| **Course Description** | Type here course description |
| **Textbook** | Type here textbook (title,author,edition,publisher,year) |
| **References** | Type here the reference (title,author,edition,publisher,year) |
| **Course Assessment** | Term Tests | Laboratory | Quizzes | Project | Final Exam |
| As (35%) | As (15%) | As (10%) | ---- | As (40%) |
| **General Notes** | Type here general notes regarding the course |



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| --- | --- | --- | --- | --- |
| week | Date | Topics Covered | Lab. Experiment Assignments | Notes |
| 1 | 17-11-2014 | Characteristics of living organisms | Microscope |  |
| 2 | 24-11-2014 | Classification and diversity of living organisms | The plant cell |  |
| 3 | 1-12-2014 | Simple keys | Primary cell wall,Secondary cell wall,Middle lamella |  |
| 4 | 8-12-2014 | Cell structure and organisation | Living cell:Nucleus,plastids |  |
| 5 | 15-12-2014 | Levels of organisation | Living cell:Endoplsmic reticulum,Golgi bodies |  |
| 6 | 22-12-2014 | Size of specimens | Non-living cell Vacuoles,Crystals,Starch grains |  |
| 7 | 29-2014 | Movement in and out of cells | Aleurone grains,Oils&Fats,Tannins |  |
| 8 | 5-1-2015 |  | Aleurone grains,Oils&Fats,Tannins |  |
| 9 | 12-1-2015 | Enzymes | Pits |  |
| 10 | 19-1-2015 | Nutrition, Nutrients, Plant nutrition, Photosynthesis | Type of pits |  |
| 11 | 26-1-2015 | Leaf structure | Combination pits |  |
| 12 | 2-2-2015 | Mineral requirements ,Animal nutrition, Mechanical and physical digestion, Chemical digestion | Examination |  |
| 13 | 8-14/2/2015 | Half-year Break | عطلة |  |
| 14 | 14-28/2/2015  | Final Exam. | Examination |  |
| Part 2 |
| 1 | 2-3-2015 | Transportation, Transport in plants, Transpiration, Translocation | Periderm&Stomata appertus  |  |
| 2 | 9-3-2015 | Transport in humans | Connactive tissues |  |
| 3 | 16-3-2015 | Respiration | Epithelial tissues |  |
| 4 | 22-3-2015 | Excretion in humans | Blood  |  |
| 5 | 30-3-2015 | Coordination and response | Stem anatomy |  |
| 6 | 6-4-2015 | Reproduction | Examination |  |
| 7 | 13-4-2015 | Growth and development | Root anatomy |  |
| 8 | 20-4-2015 | Inheritance | Leaf anatomy |  |
| 9 | 27-4-2015 | Energy flow | Gymnosperms |  |
| 10 | 4-5-2015 | Food chains and food webs (emphasis on examples occurring locally | Angiosperms |  |
| 11 | 11-5-2015 | Nutrient cycles | Photosynthesis |  |
| 12 | 18-5-2015 | Population size | Cell division |  |
| 13 | 15-5-2015 | Human influences on the ecosystem | Examination |  |
| 14 | 25-5-2015 | Plant tissues  | Microscope |  |
| 15 | 1-6-2015 | EXAM | The plant cell |  |

**Instructor Signature: Dean Signature:**