**Republic of Iraq**

**The Ministry of Higher Education**

**& Scientific Research**



**University: Alqadisiya University**

**College: College of Biotechnology**

**Department:Medecal Biotechnology**

**Stage:First stage**

**Lecturer name:** **Dr.Ghoson M.A.**

**Academic Status:Lecturere**

**Qualification:PHD**

**Place of work: Alqadisiya University**

**Course Weekly Outline**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Course Instructor** | Dr.Ghoson Mohammed Ali | | | | |
| **E\_mail** |  | | | | |
| **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** | **Campbell Biology 10th ed. Pearson Benjamin Cummings, USA** | | | | |
| **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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**Course weekly Outline**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **week** | **Date** | **Topics Covered** | **Lab. Experiment Assignments** | **Notes** |
| **1** |  | **INTRODUCTION & Orientation** | Laboratory safety rules |  |
| **2** |  | **WATER AND LIFE** | The Microscope |  |
| **3** |  | **CARBON AND THE MOLECULAR DIVERSITY OF LIFE** | The cell |  |
| **4** |  | **CARBON AND THE MOLECULAR DIVERSITY OF LIFE** | Macromolecules |  |
| **5** |  | **THE STRUCTURE AND FUNCTION OF LARGE BIOLOGICAL**  **MOLECULES** | Biological membrane |  |
| **6** |  | **A TOUR OF THE CELL** | Midterm Exam |  |
| **7** |  | **MEMBRANE STRUCTURE AND FUNCTION** | Enzymes |  |
| **8** |  | **AN INTRODUCTION TO METABOLISM** | Metabolism |  |
| **9** |  | **CELLULAR RESPIRATION AND FERMENTATION** | Cell division |  |
| **10** |  | **PHOTOSYNTHESIS** | Animal tissues |  |
| **11** |  | **THE CELL CYCLE** | Plant tissues |  |
| **12** |  | **THE MOLECULAR BASIS OF INHERITANCE** | Plant tissues |  |
| **13** |  | **FROM GENE TO PROTEIN** | Plant tissues |  |
| **14** |  | **VIRUSES** | Plant tissues |  |
| **15** |  | **Exam.** | **Exam.** |  |
| **16** |  |  |  |  |

**Instructor Signature: Dean Signature:**