

**Republic of Iraq**

**The Ministry of Higher Education**

**& Scientific Research**

**University: Al-qadisiya**

**College: biotechnology**

**Department:agricultural biotechnology**

**Stage: first year**

**Lecturer name: karim nasir taher**

**Academic Status:assist prof**

**Qualification:Msc**

**Place of work: College of biotechnology**

**Course Weekly Outline**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Course Instructor** | Assist prof karim Nasir Taher | | | | |
| **E\_mail** | Karim.taher@qu.edu.iq | | | | |
| **Title** | Al-qadissiya University | | | | |
| **Course Coordinator** | Assist prof Karim Nasir Taher | | | | |
| **Course Objective** | General biology | | | | |
| **Course Description** | The course introduces the principles and concept of biology upon completion, student should be able to demonstrate understanding of life at the molecular and cellular levels. | | | | |
| **Textbook** | Cambell, Neil., Jane B. Reece, and Lawrence G.Mitchell.Biology.6th edn Menlo Park,CA;Addison Wesley. | | | | |
| **References** | Mader, S.S. Biology .10th edn McGraw-Hill Higher Education,2010. | | | | |
| **Course Assessment** | Term Tests | Laboratory | Quizzes | Project | Final Exam |
| As (35%) | As (15%) | As (10%) | ---- | As (40%) |
| **General Notes** |  | | | | |

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**Course weekly Outline**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **week** | **Date** | **Topics Covered** | **Lab. Experiment Assignments** | **Notes** |
| **1** |  | **Chemistry of Life** |  |  |
| **2** |  | **The diversity of Life** |  |  |
| **3** |  | **Animal diversity** |  |  |
| **4** |  | **Plant diversity** |  |  |
| **5** |  | **Principles of evolution** |  |  |
| **6** |  | **Origin of life and evolution** |  |  |
| **7** |  | **Plant structure and growth** |  |  |
| **8** |  | **Genetics ,Mendilian genetics** |  |  |
| **9** |  | **Biotechnology/ Basic techniques in biology** |  |  |
| **10** |  | **Introduction to Ecology and sustainability** |  |  |
| **11** |  | **Nutrition/Nutrient Requirements** |  |  |
| **12** |  | **Animal nutrition** |  |  |
| **13** |  | **Digestion/ Mechanical and Chemical** |  |  |
| **14** |  | **Absorption** |  |  |
| **15** |  | **Plant nutrition** |  |  |
| **16** |  |  |  |  |
| **Half- year Break** | | | | | |

**Instructor Signature: Dean Signature:**