

**University: Al-qadesiayh**

**College: biotechnology**

**Department:medical Biotech.**

**Stage: Second**

**Lecturer name: Mnal hamza**

**Academic Status: lecturer**

**Qualification: McS**

**Place of work: Alqadisiya University**

**Republic of Iraq**

 **The Ministry of Higher Education**

 **& Scientific Research**

**Course Weekly Outline**

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| --- | --- |
| **Course Instructor** | **Mnal hamza** |
| **E\_mail** |  |
| **Title** | Practical -Microbiology |
| **Course Coordinator** |  |
| **Course Objective** |  |
| **Course Description** | Description of the type and characterize of Bacteria, virus, fungi and parasite,  |
| **Textbook** |  |
| **References** | Geof brook, jawets, batel (medcal of microbiology )Simon P.hardy (human microbiology) |
| **Course Assessment** | Term Tests | Laboratory | Quizzes | Project | Final Exam |
| As (35%) | As (15%) | As (10%) | ---- | As (40%) |
| **General Notes** |  |

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| --- | --- | --- | --- | --- |
| **week** | **Date** | **Topics Covered** | **Lab. Experiment Assignments** | **Notes** |
| **1** |  |  | **Position of microbiology in microorganism**  |  |
| **2** |  |  | **Characterize of micro.** |  |
| **3** |  |  | **Type of micro.** |  |
| **4** |  |  | **Bacteria**  |  |
| **5** |  |  | **Fungi** |  |
| **6** |  |  | **Parasite**  |  |
| **7** |  |  | **Virus**  |  |
| **8** |  |  | **Characterize of bacteria**  |  |
| **9** |  |  | **Internal and structure of bacteria**  |  |
| **10** |  |  | **Nutrient of bacteria**  |  |
| **11** |  |  | **Growth of bacteria**  |  |
| **12** |  |  | **Reproduction of bacteria**  |  |
| **13** |  |  | **Control of micro.**  |  |
| **14** |  |  |  **Antibiotic-1**  |  |
| **15** |  |  | **Antibiotic-2** |  |
| **16** |  |  |  |  |
| **Half- year Break** |

**Instructor Signature: Dean Signature:**