# Course Description Form

1. Course Name: biology

2. Course Code: Hopt71104

3. Semester : first Semester

4. Description Preparation Date:

5. Available Attendance Forms: Theoretical- practical

6. Number of Credit Hours (Total) / Number of Units (Total)

30 hours

7. Course administrator's name (mention all, if more than one name)

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**Yasmeenalazawi1@gmail.com**

8. Course Objectives

**Course Objectives**

The Biology course aims to provide students with fundamental knowledge about the structure and functions of living organisms. It includes understanding cell components, major biological processes, and genetics, as well as explaining the relationship between living organisms and their environment. This contributes to .building a solid scientific foundation for studying health and medical specializations.

9. Teaching and Learning Strategies

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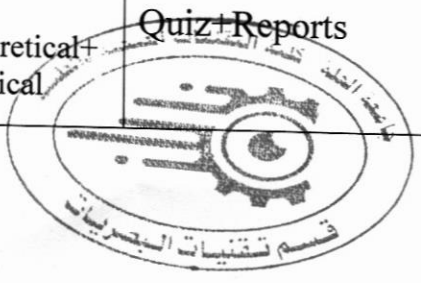
|---|---|
| **Strategy** | Lectures using PowerPoint presentations<br>Educational videos<br>Guiding students to useful scientific websites<br>(Practical laboratory demonstrations (models |

10. Course Structure

| Week | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
|---|---|---|---|---|
| 1 | 2 theoretical+ 2practical | Introduction to biology and types of cell | Theoretical+ practical | Quiz+Reports |
| 2+3 | 2 theoretical + 2 practical | Understanding cell structure | Theoretical+ practical | Quiz+Reports |
| 4+5 | 2 theoretical + 2 practical | understanding transport across membranes | Theoretical+ practical | Quiz+Reports |



| | | | | |
|---|---|---|---|---|
| 6 | 2 theoretical + 2 practical | understanding of cell division | Theoretical+ practical | Quiz+Reports |
| 7+8 | 2 theoretical + 2 practical | study of nucleic acids | Theoretical+ practical | Quiz+Reports |
| 9 | 2 theoretical + 2 practical | protein biosynthesis | Theoretical+ practical | Quiz+Reports |
| 10+11 | 2 theoretical + 2 practical | study of body tissue | Theoretical+ practical | Quiz+Reports |
| 12+13 | 2 theoretical + 2 practical | understanding muscle and nerve tissue. | Theoretical+ practical | Quiz+Reports |
| 14 | 2 theoretical + 2 practical | Study of connective tissue | Theoretical + Practical | Quiz+Reports |
| 15 | 2 theoretical + 2 practical | Study of blood and lymph | Theoretical + practical | Quiz+Reports |

| 11.Course Evaluation |
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| Attendance: 5%<br>Daily quizzes: 10%<br>Class participation: 5%<br>Midterm exam: 30%<br>Final exam: 60%<br>Total: 100% |

| 12.Learning and Teaching Resources | |
|---|---|
| Required textbooks (curricular books, if ar | Practical Microbiology – Levinson |
| Main references (sources) | Jawetz's Medical Microbiology |
| Recommended books and references (scientific journals, reports...) | Scientific journals and reports |
| Electronic References, Websites | Updated and specialized scientific websites in specialize biology |