|  |  |  |
| --- | --- | --- |
| Hashemite University | logo-changes copy  **Course Syllabus** | General Biology (1)  (110104101)  3 Credit Hours |
| Faculty of Science | Pre-requisite: |
| Department of Biology and Biotechnology | First Semester 2012/2013 |

|  |  |  |
| --- | --- | --- |
| Course Information | | |
|  | | Lecture's Time |
|  | | Lecture Room |
| **Rajaa Abueideh** | | Instructor |
| **www.staff.hu.edu.jo/rajaa** | | Internet Home Page |
| Room No. 103 bio. Build. Or at the Herbarium lab. | | Office Location |
|  | | Office Hours |
| **Text Book :** Title: Biology  Author: Sylvia S. Mader  Publisher: Mc Graw Hill.  Year :2013  Eleventh edition | | |
| \* Biology  Author(s):N. A. Campbell and J. B. Reece.  Publisher: Benjamin Cummings, San Francisco.  \* Any other book in General Biology | **References(s)** | |

**Grading Policy:**

**Theory**

1st Exam 25% or 20%

2nd Exam 25% 20%

Other - 10%

Final Exam 50% 50%

|  |
| --- |
| **Course Objectives** |
| To provide students with basic knowledge of the concepts and themes of the study of life  * To present the students with an overview of biology to be able to analyze the basic concepts behind the major themes of biology. * To understand the current state of knowledge of a number of areas in biology including chemistry of organic molecules, cell biology, energy transfer and genetics. * To gain basic information about the structure and organization of flowering plants, nutrition and transport in plants |
| **Teaching and Learning Methods** |
| 1. Theory classes  2. Website www.mhhe.com / maderbiology11 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Course Contents**   |  |  |  | | --- | --- | --- | | **Week** | **Topic** | **Chapter in Text** | | **1** | View of Life | 1 | | **2** | View of Life  The Chemistry of Organic Molecules | 1  3 | | **3** | The Chemistry of Organic Molecules | 3 | | **4** | Cell Structure and Function | 4 | | **5** | Cell Structure and Function  Membrane Structure and Function | 4  5 | | **6** | Membrane Structure and Function  Metabolism: Energy and Enzymes  **First Exam** | 5  6 | | **7** | **Al Adha Vacation**  Metabolism: Energy and Enzymes | 6 | | **8** | Metabolism: Energy and Enzymes  Photosynthesis | 6  7 | | **9** | Photosynthesis  Cellular Respiration | 7  8 | | **10** | Cellular Respiration  The Cell Cycle and Cellular Reproduction | 8  9 | | **11** | The Cell Cycle and Cellular Reproduction  Meioses and Sexual Reproduction | 9  10 | | **12** | Molecular Biology of The Gene  **Second Exam** | 12 | | **13** | Molecular Biology of The Gene | 12 | | **14** | Flowering plants : Structure and Organization | 24 | | **15** | **Final Exam** |  | |

**Participation and Exams:**

**Attendance** is absolutely mandatory. Students who miss 6 class sessions (15%) without a compelling excuse will be dismissed.

**Exams:** The TWO periodic exams and the FINAL exam will cover material presented in class as well as information from the textbook.

There will be **NO make-ups** for unexcused missed exams, those who miss one lecture examination that can be document and that are considered a valid excuse by the instructor, should talk to their instructor BEFORE the exam and arrangements may be scheduled.