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| Hashemite University |   | General Microbiology |
| Faculty of Science | | 3 Credit Hours |
| Department of Biology and Biotechnology | | Pre-requisite: Semester |
| Course Syllabus | | |

| Course Information | | |
|---------------------------|--|---------------|
| Course Title | General Microbiology | |
| Course Number | | |
| Course Credits | credit hours 3 | |
| Course Time | | |
| Course Duration | | |
| Prerequisite(s) | | |
| Instructor | Dr. Muhannad I. Massadeh | |
| Office Location | Department of Biological Sciences and Biotechnology | |
| Office Phone | 5047 | |
| Office Hours | | |
| E- mail | massadeh@hu.edu.jo | |
| Course Web Site: | | |
| Text Book | | |
| Title | Microbiology, An evolving science | |
| Author(s) | .Slonczewski J.L. and Foster J.W | |
| Publisher | Norton | |
| Year | 2014 | |
| Edition | 3rd | |
| References(s) | | |
| Evaluation Policy | | |
| Assessment Type | Expected Date | Weight |
| 1 st hour Exam | | 30% |
| 2 nd hour Exam | | 30% |
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| Final Exam | | 40% |

Course Objectives

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Teaching and Learning Methods

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Course Contents

| Chapter | Topic | |
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| 1 | Introduction , scope and history of microbiology | |
| 3 | Microscopy and staining | |
| 4 | Characteristics of Prokaryotic cells | |
| 5 | Growth and culturing of bacteria | |
| 7 | Microbial genetics | |
| 8 | Gene transfer | |
| 9 | An introduction to Taxonomy | |
| 11 | Eukaryotic microorganisms and Parasites | |
| 12 | Antimicrobial therapy | |
| 13 | Sterilization and Disinfection | |