



كلية الصيدلة جامعة الزيتونة الأردنية
Faculty of Pharmacy
Al-Zaytoonah University of Jordan

" نحو تعليم صيدلاني متميز "
Toward Excellence in Pharmaceutical
Education

جامعة الزيتونة الأردنية
Al-Zaytoonah University of Jordan
كلية الصيدلة
Faculty of Pharmacy



" Tradition and Quality "

| | |
|---|----------------|
| Detailed Course Description - Course Plan Development and Updating Procedures/ Pharmacy Department | QF02/0408-3.0E |
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|------------------------|----------|----------------------------|-------------|
| Faculty | Pharmacy | Department | Pharmacy |
| Course number | 120152 | Course title | Biology lab |
| Number of credit hours | 1 | Pre-requisite/co-requisite | |

Brief course description

Knowledge and familiar with the tools, instrument and technique used in biology, get and know the general structure of the cell, to be familiar with the physical and chemical properties of the cell, And study the human and animal tissues.

| Course goals and learning outcomes | |
|------------------------------------|---|
| Goal 1 | Make the student familiar with the tools, instrument and technique used in biology. |
| Learning outcomes | 1.1 The students learn the tools techniques employed in biology. 1.2 The students be aware of the types, the parts, how to use, and take care of the microscope. |
| Goal 2 | Make the student familiar with the general structure of the cell. |
| Learning outcomes | 2.1 Acknowledgment with the parts of the cell that can be studied under the light microscope. |
| Goal 3 | Make the student familiar with the physical and chemical properties of the cell. |
| Learning outcomes | 3.1 Studying the chemical and physical properties of the living cell. |
| Goal 4 | Make the student familiar with the human and animal tissues. |
| Learning outcomes | 4.1 Studying the types, structure, and function of human and animal tissues |
| Textbook | 1.- Laboratory manual of general biology |
| Supplementary references | 1. - Laboratory manual of general biology of Jordanian university manual of science. |



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| Course timeline | | | | |
|-----------------|-----------------|--|------------------|-------|
| Week | Number of hours | Course topics | Pages (textbook) | Notes |
| 01 | 3 | The scientific method | 1-5 | |
| 02 | 3 | The scientific method | 5-10 | |
| 03 | 3 | The Microscopes | 35-48 | |
| 04 | 3 | The Cell | 49-60 | |
| 05 | 3 | The Cell Chemistry- biological molecules | 61-69 | |
| 06 | 3 | The Cell Chemistry- biological molecules | 70-80 | |
| 07 | 3 | The Cell Physical properties | 89-96 | |
| 08 | 3 | Genetics | 123-128 | |
| 09 | 3 | Animal tissues | 151-158 | |
| 10 | 3 | Animal tissues | 159-173 | |

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|---|---|---|---|
| Theoretical course evaluation methods and weight | First exam 25% Second exam 25% Final exam 50% | Practical (clinical) course evaluation methods | Semester students' work = 50% (Reports, research, quizzes, etc.) Final exam = 50% |
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| Approved by head of department | | Date of approval | |
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Extra information (to be updated every semester by corresponding faculty member)

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|-------------------------------------|---------------|----------------------|--|
| Name of teacher | Ameen Al-assi | Office Number | 219 |
| Phone number (extension) | 313 | Email | ameen.lassi@zug.edu.jo |
| Office hours | | | |