

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

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| Course name | Biology (0601101) |
| Course number | MEDI1415 |
| Faculty | |
| Department | |
| Course type | Major Needs |
| Course level | 1 |
| Credit hours (theoretical) | 3 |
| Credit hours (practical) | 1 |
| Course Prerequisites | |

Course Objectives

- 1 - To understand the the nature of molecules, the chemical building blocks of life,
- 2 - To learn biology of the cell, cell structure, membranes, cell – cell interactions,
- 3 - To discuss how cells divide, sexual reproduction and meiosis,
- 4 - To learn molecular genetics, dna: the, genetic material , genes and how they work,
- 5 - To understand viruses and simple organisms, how we classify organisms, viruses, prokaryotes, protists,
- 6 - To learn forms and functions plant body, animal forms and functions, organization of the animal body, regulating the animal body, the nervous system, endocrine system, immune systems

Course Contents

- 1 - The fundamentals and concepts of general biology will be presented, including the science of biology , the nature of molecules, the chemical building blocks of life, biology of the cell, cell structure, membranes, cell – cell interactions, how cells divide, sexual reproduction and meiosis, molecular genetics, dna: the, genetic material , genes and how they work, viruses and simple organisms, how we classify organisms, viruses, prokaryotes, protists, fungi, plant forms and functions plant body, animal forms and functions, organization of the animal body, regulating the animal body, the nervous system, endocrine system, immune systems

Teaching and Learning Methods

- 1 - Lectures
- 2 - Discussion
- 3 - Revision and Discussion sections

Teaching and Learning Methods for the Disabled Students

- 1 - Will be treated and addressed individually according to the type of disability.

Students Assessment

| <u>Assessment Method</u> | <u>TIME</u> | <u>MARKS</u> |
|--------------------------|-------------|--------------|
| Midterm exam | 60 min | 20 |
| Practical part | 60 min | 30 |
| final exam | 120 | 50 |

Books and References

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| Essential books | Johnson, G.B.; Raven, P.H. (2002): Biology, 6th edition, McGraw-Hill Higher Education, USA. |
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