

GENERAL BIOLOGY

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| 1 | Course Title: | GENERAL BIOLOGY |
| 2 | Course Code: | FEN1013 |
| 3 | Type of Course: | Compulsory |
| 4 | Level of Course: | First Cycle |
| 5 | Year of Study: | 1 |
| 6 | Semester: | 1 |
| 7 | ECTS Credits Allocated: | 6.00 |
| 8 | Theoretical (hour/week): | 2.00 |
| 9 | Practice (hour/week): | 0.00 |
| 10 | Laboratory (hour/week): | 0 |
| 11 | Prerequisites: | None |
| 12 | Language: | Turkish |
| 13 | Mode of Delivery: | Face to face |
| 14 | Course Coordinator: | Prof. Dr. MUHLIS ÖZKAN |
| 15 | Course Lecturers: | |
| 16 | Contact information of the Course Coordinator: | muozkan@uludag.edu.tr, 224 2942281, Uludağ Üniversitesi Eğitim Fakültesi, A Blok, İlköğretim Bölümü, 16059 Nilüfer,Bursa |
| 17 | Website: | |
| 18 | Objective of the Course: | To explain events relating to the vitality and vibrant. |
| 19 | Contribution of the Course to Professional Development: | |
| 20 | Learning Outcomes: | |
| | 1 | To know common characteristics of living organisms. |
| | 2 | To comprehend the relationships among subdisciplines and other disciplines of biology. |
| | 3 | To know chemical substances and controller molecules composing living organisms structures. |
| | 4 | To explain cell structure and their tasks. |
| | 5 | To explain cell divisions. |
| | 6 | To know plant and animal tissue. |
| | 7 | To explain reproduction, fertilization, development. |
| | 8 | To explain heritage mechanism. |
| | 9 | To know human body structure. |
| | 10 | To explain structure of sense organs and their mechanism. |
| 21 | Course Content: | |
| | Course Content: | |
| Week | Theoretical | Practice |
| 1 | Process of historical development of the science of Biology Branches of biology | |
| 2 | Common characteristics of living things Chemical structure and functions of the molecules that make up living things | |
| 3 | The structure of cell Differences in animal and plant cells | |

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| 4 | Cell metabolism Carbohydrate, fat, protein metabolism | |
| 5 | Cell division Mitosis and meiosis | |
| 6 | Reproduction and development Reproduction and development | |
| 7 | Plant tissues Animal tissues | |
| 8 | Heredity Mendelian genetics | |
| 9 | Heredity Human genetics | |
| 10 | Heredity Molecular genetic | |
| 11 | Sense organs Seeing, Hearing | |
| 12 | Sense organs Smelling | |
| 13 | Ecology Distribution of life on Earth | |
| 14 | Evolution Evidence of evolution and evolutionary mechanisms | |

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| 22 | Textbooks, References and/or Other Materials: | Bozkurt, O. ve arkadaşları. Genel Biyoloji. Pegem Akademi, Ankara. 275 s., 2008. |
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| Activites | Number | Duration (hour) | Total Work Load (hour) |
|----------------------------|--------|-----------------|------------------------|
| Theoretical | 14 | 12.00 | 28.00 |
| Practicals/Labs | 0 | 0.00 | 0.00 |
| Self study and preperation | 14 | 3.00 | 42.00 |
| Homeworks | 14 | 3.00 | 42.00 |
| Projects | 0 | 0.00 | 0.00 |
| Field Studies | 0 | 0.00 | 0.00 |
| Midterm exams | 1 | 32.00 | 32.00 |
| Others | 0 | 0.00 | 0.00 |
| Final Exams | 1 | 36.00 | 36.00 |
| Total Work Load | | | 180.00 |
| Total work load/ 30 hr | | | 6.00 |
| ECTS Credit of the Course | | | 6.00 |

| 23 | Assesment | |
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| TERM LEARNING ACTIVITIES | NUMBER | WEIGHT |
| Midterm Exam | 1 | 40.00 |
| Quiz | 0 | 0.00 |
| Home work-project | 0 | 0.00 |
| Final Exam | 1 | 60.00 |
| Total | 2 | 100.00 |
| Contribution of Term (Year) Learning Activities to Success Grade | | 40.00 |
| Contribution of Final Exam to Success Grade | | 60.00 |
| Total | | 100.00 |

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| Measurement and Evaluation Techniques Used in the Course | | | | | | | | | | | | | | | | |
| 24 | ECTS / WORK LOAD TABLE | | | | | | | | | | | | | | | |
| 25 | CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS | | | | | | | | | | | | | | | |
| | PQ1 | PQ2 | PQ3 | PQ4 | PQ5 | PQ6 | PQ7 | PQ8 | PQ9 | PQ10 | PQ11 | PQ12 | PQ13 | PQ14 | PQ15 | PQ16 |
| ÖK1 | 0 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ÖK2 | 0 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ÖK3 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ÖK4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ÖK5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ÖK6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| ÖK7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ÖK8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ÖK9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ÖK10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LO: Learning Objectives PQ: Program Qualifications | | | | | | | | | | | | | | | | |
| Contribution Level: | 1 very low | | | 2 low | | | 3 Medium | | | 4 High | | | 5 Very High | | | |