

HARRAN UNIVERSITY

| Name of the course | Code | Term | T + P | Credit | ECTS |
|---|---|-------------|--------------|---------------|-------------|
| Name of the course | Code | Term | T + P | Credit | ECTS |
| Laboratory Basic Info | 0804126 | 1 | 1+2 | 2 | 4 |
| Code of the course | 0804126 | | | | |
| Type of the course (Obligatory/Elective) | Obligatory | | | | |
| Name of the instructor who taught the course last semester | Assoc. Prof. Dr. A.Cenap CEVHERİ | | | | |
| Aim and goals of the course | All equipments and chemicals used in laboratories for the purpose of presentation and their usage patterns as a practical demonstration | | | | |

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| Name of the instructor who taught the course last semester | Assoc. Prof. Dr. A.Cenap CEVHERİ |

| Contents of the course | | As described in lecture content |
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| Weeks | Semester Teaching Plan | |
| 1 | General information about the types of laboratory and laboratory | |
| 2 | Materials necessary for the General Biology Laboratory, laboratory preparation of the study | |
| 3 | Types of microscopes and microscope | |
| 4 | Light microscope, operating principles and components | |
| 5 | Types of light microscope | |
| 6 | Fixation (Detection) and Fixatives | |
| 7 | Chemicals and methods used in dehydration | |
| 8 | Midterm | |
| 9 | Definition and methods of maceration | |
| 10 | Study methods of the laboratory | |
| 11 | Biological dyes, paint formulations and methods | |
| 12 | Sectioning (by hand, with a microtome, microtome types, microtome knife types) | |
| 13 | Temporary and fixed inspection environments | |
| 14 | Temporary and fixed inspection environments 2 | |
| 15 | Final | |
| References | | |
| <ol style="list-style-type: none"> 1. Boncuk S., Genel Botanik, İnönü Üniversitesi Fen-Ede., Fak., Malatya. 1988 2. Öner M., Genel Botanik, Ege Üniversitesi Fen Fakültesi Yayınları, İzmir, 1978 3. Özgürçü B., Seçmen Ö., Yazgan M. Ve Gemici Y., Genel Botanik Uygulama Kitabı, Ege Üniversitesi Fen Fakültesi Yayınları, İzmir, 1996 4. Ünsal P.N., Genel Biyoloji Laboratuvarı (Botanik), İstanbul, 1990 5. Vardar Y., Bitki Morfolojisinde Temel Bilgiler (9. baskı), 1984 6. Yentür S., Bitki Anatomisi, İstanbul Üniversitesi Yayınları, İstanbul, 1995 | | |
| Evaluation | | |
| One written midterm exam (40%), one written final exam (%60). | | |

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