

HARRAN UNIVERSITY FACULTY OF ARTS AND SCIENCES
DEPARTMENT OF BIOLOGY

Course Title	Code	Semester	T+P	Credits	ECTS
Cryptogames Plant Systematics Lab.	0804346	2. semester / Fall	0+2	1	2

Prerequisite Courses	
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Language of Instruction	Turkish
Type of Course	Bachelor Degree
Course Coordinator	Asst. Prof. Göksal SEZEN
Teaching	Asst. Prof. Göksal SEZEN
Lecturer Assistants	
Purpose of Course	The aim of this course is to teach the characteristics and classification of the veterinary groups -Virus, Bacteria, Riccetsia, Algae, Fungus, Lichen, Mosses and Ferns, and to diagnose important and common species.
Learning Outcomes of the Course	General information about spore plants, classification of organisms in this group, identification keys and their identification.
Content of Course	Examination, identification and classification of common and important species of bacteria, Riketsia, Blue-green algae, Algae, Fungi, Lichen, Mosses, Liverworts and Ferns

Weeks	Subjects
1	Examination of bacterial and cyanophyta algae samples
2	Examination of Chlorophyta, Charophyta, Phaephyta, Rhodophyta, Bacillariophyta, Dinophyta, Chrysophyta
3	Examination of Chlorophyta, Charophyta, Phaephyta, Rhodophyta, Bacillariophyta, Dinophyta, Chrysophyta
4	Examination of Chlorophyta, Charophyta, Phaephyta, Rhodophyta, Bacillariophyta, Dinophyta, Chrysophyta
5	Midterm Exam
6	Examination of Chlorophyta, Charophyta, Phaephyta, Rhodophyta, Bacillariophyta, Dinophyta, Chrysophyta
7	Examination of Micro Fungal Specimens
8	Examination of macro fungal samples
9	Examination of macro fungal samples
10	Examination of lichen samples
11	Examination of mosses and liverworts
12	Examination of ferns
13	Examination of ferns
14	Final

Generic Competences

Resources
1. Zekeriya ALTUNER, 2002, Tohumsuz Bitkiler Sistematigi, I ve II. Cilt, Gaziosmanpaşa Üniversitesi, Fen Edebiyat Fakültesi Yayınları No:2, Tokat. 2. Saffet BAYDAR, 1990, Tohumsuz Bitkiler Sistematigi, I ve II. Cilt, Karadeniz Teknik Üniversitesi, Fatih Eğitim Fakültesi Yayınları, No:150, Trabzon 3. Hüseyin GÜNER, 1992, Tohumsuz Bitkiler Sistematigi, I ve II. Cilt, Ege Üniversitesi. Fen Fakültesi Kitaplar Serisi, No: 138, Bornova/İzmir 4. Ayten AYDIN, 1991, Sporlu Bitkiler Sistematigi, İstanbul Üniversitesi, Fen Fakültesi Yayınları, No: 216, İstanbul 5. Sporlu Bitkiler Sistematigi Lab. Kilavuzu Ist.Üniv. yay. No. 3372, İstanbul

6. Güner, H.,1986, Likenlerin Biyolojisi ve Ege Bölgesinde Bulunan Bazı Liken Türleri Ege Üniv. Fen Fak. Kitapları Serisi No 92-Izmir
7. Singh,Pande. 2016, A Text Book Of Botany (Fifth Edition), Jain Edition 17 9789350781296 Paperback

ASSESSMENT SYSTEM
Midterm Exam: 40% Final: 60%