

**HARRAN UNIVERSITY FACULTY OF ARTS AND SCIENCES  
DEPARTMENT OF BIOLOGY**

Course Title	Code	Semester	T+P	Credits	ECTS
Cryptogames Plant Systematics	0804345	2. semester / Fall	3+0	3	4

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	To have knowledge about the classification and general characteristics of the aimed sport plants
Learning Outcomes of the Course	General information about seedless plants and classification types of organisms in this group
Content of Course	History of the systematic, Reproduction types, Classification of water algae, Fungi, Lichen, Black algae and Fertilizers Lichen,

Weeks	Subjects
1	General classification and history of plants with classification of living beings as five kingdoms
2	Classification and history of seedless plants and breeding and reproduction types in plants
3	Features of viruses, Rickettsia and Bacteria, reproductive systems, systematics and important species
4	Bacterial and Cyanobacterial features, reproductive systematics and important species
5	Midterm Exam
6	Features of the algae Chlorophyta and Charophyta, reproductive systems, systematics and important species
7	Characteristics of Algens Euglenophyta, Dinophyta, Bacillariophyta, Cryptophyta Phaeophyta, Rhodophyta and Pyrrophyta, reproductive systems, systematics and important species
8	Mushrooms (Mycophyta); Characteristics of Myxomycetes, Zygomycota, Deuteromycota, Chytridiomycota and incertae sedis classes, reproductive systems, systematics and important species
9	Mushrooms (Mycophyta); Features of Ascomycetes and Basidiomycetes class, reproductive, systematic and important species
10	Lichens (lichenophyta) features, reproductive systems, systematics and important species
11	General characteristics of Bryophyta section, reproduction, Anthocerotopsida Marchantiaopsida (Hepaticae), general characteristics of Bryopsida classes and important species with their reproduction
12	General characteristics of the Pteridophyta section, reproductive systems, systematics and important types of Lycopodiinae class
13	General characteristics of the Equisetine and Filicinae classes belonging to the Pteridophyta section, reproductive systems, systematics and important species
14	Final

<b>Generic Competences</b>
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Basic information about the definition, properties and classification of sport plants

#### Resources

1. Zekeriya ALTUNER, 2002, Tohumuz Bitkiler Sistematiđi, I ve II. Cilt, Gaziosmanpařa Üniversitesi, Fen Edebiyat Fakóltesi Yayınları No:2, Tokat.
2. Saffet BAYDAR, 1990, Tohumuz Bitkiler Sistematiđi, I ve II. Cilt, Karadeniz Teknik Üniversitesi, Fatih Eğitim Fakóltesi Yayınları, No:150, Trabzon
3. Hüseyin GÜNER, 1992, Tohumuz Bitkiler Sistematiđi, I ve II. Cilt, Ege Üniversitesi. Fen Fakóltesi Kitaplar Serisi, No: 138, Bornova/İzmir
4. Ayten AYDIN, 1991, Sporlu Bitkiler Sistematiđi, I ve II. Cilt, İstanbul Üniversitesi, Fen Fakóltesi Yayınları, No: 216, İstanbul
5. Singh, Pande. 2016, A Text Book Of Botany (Fifth Edition), Jain Edition 17 9789350781296 Paperback

#### ASSESSMENT SYSTEM

**Midterm Exam: 40%**

**Final: 60%**