

Course Unit Descriptor

Study Programme : MSc in Biology			
Course Unit Title: Bryophyte systematics			
Course Unit Code: MB04			
Name of Lecturer(s): Prof. Dragana Vukov, PhD			
Type and Level of Studies: Master studies			
Course Status (compulsory/elective): Elective			
Semester (winter/summer): Winter			
Language of instruction: English			
Mode of course unit delivery (face-to-face/distance learning): face-to-face			
Number of ECTS Allocated: 7			
Prerequisites: none			
Course Aims: Acquiring with basic principles of Bryophyte systematics, as well as with morphology, evolution and phylogeny of these plants.			
Course Outcomes: At the end of the course, students will acquire basic knowledge on systematics and phylogeny of Bryophytes. Students will be able to recognize the representatives of basic systematic groups. Also, students will be able to notice the major phylogenetic relations and characteristics of major bryophyte lineages.			
Syllabus: <i>Theoretical part</i> Basic concepts and methods in bryology; Morphological characteristics of Marchantiophyta; Haplomitriopsida; Marchantiopsida; Jungermanniopsida; Morphological characteristics of Bryophyta; Takakiopsida; Sphagnopsida; Andraeopsida; Andraeobryopsida; Oedipodiopsida; Polytrichopsida; Bryopsida; Morphological characteristics and classification of Anthocerotophyta; Phylogenetic relations among major Bryophyte lineages. <i>Practical part</i> Basic methods in bryology; Identification keys; Microscopic preparations; Morphology of Marchantiophyta; Identification of Marchantiophyta; Identification of Jungermanniopsida; Morphology of Bryophyta; Identification of Sphagnopsida; Identification of Polytrichopsida; Identification of Buxbaumiidae, Funariidae, Diphysciidae, Timmiidae; Identification of Dicranidae; Identification of Bryidae: Splachnales, Bryales; Identification of Bryidae: Bartramiales, Orthotrichales, Hedwigiales; Identification of Bryidae: Hypnales; Morphology of Anthocerotophyta; Basic methods in bryophyte herbaristics.			
Required Reading: 1. Goffinet, B., Shaw, J. 2000. Bryophyte biology. Cambridge University Press. New York			
Total hours:			
Lectures: 3	Practicals: 2+0+4	Other:	Student research work:
Teaching Methods: Lectures, laboratory practice, seminars			
Assessment (maximum number of points 100)			
Requirements	points	Final exam	points
Active participation in lectures		Practical exam	20
Active participation in practicals		Oral exam	50
Test(s) or			
Seminar	30		
Remark: -			