

Study Programme : MSc. in Ecology			
Degree level: Master degree			
Course Title: Hydrobotany			
Professor: dr Dragana Vukov			
Elective Course			
Number of ECTS: 6			
Prerequisites: Plant Systematics, Plant Ecology			
Course Objective: Introduction to the systematic position of aquatic plant species in Serbian Flora, with basic principles of their determination, as well as with the principles and techniques of freshwater vegetation research.			
Course Outcome: Individual planing and realisation of aquatic plants research, data processing and presentation.			
Course Content: <i>Theoretical part</i> Aquatic representatives of Divisio Bryophyta, Equisetophyta, Polypodiophyta, Magnoliophyta. Rare, protected, adventive species. Qualitative and quantitative analyses. Spatial distribution. Habitat parameters and their influence on the species composition, abundance and spatial distribution in freshwater ecosystems. <i>Practical part</i> Aquatic representatives of Divisio Bryophyta, Equisetophyta, Polypodiophyta, Magnoliophyta. Estimation of abundance. Display of spatial distribution. Calculation of relative plant mass, mean mass indices and distribution ratio. Graphical presentation of gained results.			
Reading List: 1. Josifović, M. urednik (1970-1977): Flora SR Srbije 1. – 9. SANU, Beograd. 2. Sarić, M., urednik (1986): Flora SR Srbije 10. SANU, Beograd. 3. Felföldy, L. (1990): Hinar határozó. Vízügy hidrobiológia, Környezetvédelmi és terület fejlesztési Minisztérium, Budapest. 4. Preston, C.D. (1995): Pondweeds of Great Britain and Ireland. Botanical Society of British Isles, London. 5. Tutin, T.G., Heywood, V.H., Burges, N.A., Moore, D.M., Valentine, D.H., Walters, S.M., Webb, D.A. (eds.)(1968-1980): Flora Europaea II-V. Cambridge University Press, Cambridge. 6. Tutin, T.G., Heywood, V.H., Burges, N.A., Valentine, D.H., Walters, S.M., Webb, D.A. (eds.)(1964): Flora Europaea I. Cambridge University Press, Cambridge.			
Total hours:			
Lectures: 2	Practicals: 2	Other:	Student research work:5
Methods of instruction: Lectures are in form of consultations, practicals, and student research work.			
Assessment (maximum number of points 100)			
Requirements	points	Final exam	points
Active participation in lectures	10	Practical exam	40
Active participation in practicals	10	Oral exam	
Student research work	40		
Remark: Student research work is required.			