

Name of the subject: METHODS IN BRYOLOGY		
Teacher(s): Dr. Miloš Ilić		
Status of the subject: Elective		
Number of ECTS points: 15		
Condition: -		
Goal of the subject Acquiring knowledge about methodology in different aspects of briological researches with particular emphasis on choosing the appropriate method.		
Outcome of the subject Students are able to independently use different methods in bryophyte researches.		
Content of the subject <i>Theoretical lectures</i> Morphology of bryophytes; Diversity and ecological characteristics of bryophytes; Bryophyte roles in ecosystem functioning; Defining research goals and selecting adequate sampling sites; Field sampling methods; Laboratory techniques: Slide preparation; Field and laboratory identification of bryophytes; Herbaria and bryophyte collections; Quantitative approach in bryophyte ecology; Quantitative sampling of ground bryophytes; Quantitative sampling of epiphytic bryophytes; Quantitative sampling of epilithic and epixylic bryophytes; Diversity measures; Basic statistical methods in bryophyte researches; Multivariate analysis; Statistical methods in bryophyte community detection. <i>Practical lectures</i> Defining research goals as well as choosing the appropriate methodological approach in accordance with the candidate's interests and the topic of the doctoral thesis.		
Recommended literature Veljić, M., Vukov, D., Sabovljević, M. 2018. Biologija briofita I: morfologija i sistematika. Biološki fakultet Univerziteta u Beogradu, Prirodno-matematički fakultet Univerziteta u Novom Sadu. Beograd-Novu Sad. Vanderpoorten, A., Goffinet, B. 2009. Introduction to bryophytes. Cambridge University Press Goffinet, B., Shaw, J. 2000. Bryophyte biology. Cambridge University Press. New York Glime, J. M. 2017. Bryophyte ecology. Available online at: http://www.bryoecol.mtu.edu/ Smith, A. (ed.) 1982. Bryophyte ecology. Springer Netherlands. Atherton, I., Bosanquet, S., Lawley, M. 2010. Mosses and liverworts of Britain and Ireland-a field guide. British Bryological Society, UK. Casas, C., Brugués, M., Cros, R. M., Sérgio, C. 2006. Handbook of mosses of the Iberian Peninsula and the Balearic Islands. Illustrated keys to genera and species. Barcelona. Casas, C., Brugués, M., Cros, R. M., Sérgio, C., Infante, M. 2009. Handbook of liverworts and hornworts of the Iberian Peninsula and the Balearic Islands. Illustrated keys to genera and species, Barcelona. Smith, A. J. E. 1990. The Liverworts of Britain and Ireland. Cambridge University Press, Cambridge. Smith, A. J. E. 2004. The Moss Flora of Britain and Ireland. Cambridge University Press, New York.		
Number of active classes	Theory: 5	Practice: 5
Methods of delivering lectures Lectures, consultations, field and laboratory work, student essay.		
Evaluation of knowledge (maximum number of points 100) Oral exam: 50 Essay: 50		