

Name of the subject: SPECIAL PLANT ANATOMY		
Teacher(s): Dr. Jadranka Luković, Dr. Lana Zorić		
Status of the subject: Elective Course		
Number of ECTS points: 15		
Condition:		
Goal of the subject Getting knowledge of anatomical characteristics that have diagnostic character, and their application in comparative anatomical analysis of selected families and genera.		
Outcome of the subject Student should be able to successfully apply the knowledge from this field in identification and determination of some taxa and taxonomic groups of different level.		
Content of the subject <i>Theoretical lectures</i> Getting knowledge about anatomical characters of taxonomic importance. Diagnostic anatomical characters of vegetative organs of dicotyledon and monocotyledon plants. Diagnostic characters of reproductive organs of flowering plants. Analysis of anatomical diagnostic characters of selected families of flowering plants. <i>Practical lectures</i> The structure of practical work is in accordance with candidate's field of research and the subject of PhD thesis.		
Recommended literature Carlquist S. (1961): Comparative Plant Anatomy, Holt, Rinehart and Winston, New York. Carlquist S. (1988): Comparative wood anatomy. Springer-Verlag, Heidelberg Dickison C. W. (2000): Integrative plant anatomy, Harcourt academic press, New York, London. Foster A.S. & Gifford E.M. (1974): Comparative Morphology of Vascular Plants (2 nd edn), W.H. Freeman&Co.San Francisco Metcalfe C.R.&Chalk L. (1950): Anatomy of Dicotyledons, vols I&II, Clarendon Press, Oxford. Metcalfe C.R.(1960): Anatomy of Monocotyledons, I <i>Gramineae</i> New literature and published papers available on internet		
Number of active classes	Theory: 5	Practice: 5
Methods of delivering lectures lectures, practical work, student research work, consultations		
Evaluation of knowledge (maximum number of points 100) The exam is oral. Prerequisites for oral exam are: active involvement of students in experimental work on specific subjects dealing with special plant anatomy, written and presented student's practical work and read out of several scientific papers from this field. Practical work: 20 Seminar work: 30 Oral exam: 50		