

<b>Study Programme:</b> LANDSCAPE ARCHITECTURE			
<b>Course Unit Title:</b> DENDROLOGY 1			
<b>Course Unit Code:</b> 19.PEJ006			
<b>Name of Lecturer(s):</b> Prof. Jelena Čukanović, PhD			
<b>Type and Level of Studies:</b> BACHELOR STUDIES			
<b>Course Status (compulsory/elective):</b> compulsory			
<b>Semester (winter/summer):</b> winter			
<b>Language of instruction:</b> english			
<b>Mode of course unit delivery (face-to-face/distance learning):</b> face-to-face			
<b>Number of ECTS Allocated:</b> 4			
<b>Prerequisites:</b>			
<b>Course Aims:</b> The aim of the course is to educate students in the field of knowledge of dendrological material of Gymnosperms. Introduction to basic ecophysiological, biological, systematic and morphological characteristic of the Gymnosperms.			
<b>Learning Outcomes:</b> Formation of experts in knowledge of biological, ecological and functional values of dendroflora on green areas as well as monitoring of dendroflora of Gymnosperms in urban conditions.			
<b>Syllabus:</b>			
<i>Theory</i>			
Students will be introduced to the basic division of woody species from the class of Gymnosperms according to shape and height, with morphological and decorative properties, phenological phenomena (flowering, pollination, fruiting, seed maturation and shedding, periodicity and growth rate). Within theoretical classes students will study the areas of woody Gymnosperms. Indigenous, introduced species, endemics and relics. Geographical floral elements. Relationship of woody species to environmental conditions (climatic factors, soil conditions, relief, biotic factors). Basic concepts of phytocenology.			
Taxonomic categories.			
<i>Practice</i>			
Systematics of Gymnosperms. Review of fresh plant material. Key determination for genera and species. Insight into herbarium material. Making a herbarium. Outdoor classes on urban green areas.			
<b>Required Reading:</b>			
1. Dirr, M.A. 1990. Manual of woody landscape plants: their identification, ornamental characteristics, culture, propagation and uses. 4th ed. Champaign, IL: Stipes Publishing Company.			
2. Johnson, O. & More D. 2004. Tree guide. HarperCollins Publishers, London.			
<b>Weekly Contact Hours:</b>	<b>Lectures:</b> 2	<b>Practical work:</b> 3	
<b>Teaching Methods:</b> Teaching is carried out by means of modern scientific-educational resources in the form of practice. On the			
the lectures the theoretical part followed by characteristic examples for easier understanding materials will present. Training is planned for the determination of angiosperms and monitoring of growth and development trees in urban environments.			
<b>Knowledge Assessment (maximum of 100 points):</b>			
<b>Pre-exam obligations</b>	points	<b>Final exam</b>	points
Active class participation	10	written exam	/
Practical work	10	oral exam	50
Preliminary exam(s)	30	.....	
Seminar(s)	/		
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			