Course Unit Descriptor

Study Programme: PHD STUDIES

Course Unit Title: Dendroflora in urban coenosis

Course Unit Code: 19.AGR021

Name of Lecturer(s): Prof. Jelena Čukanović, PhD

Type and Level of Studies: PHD STUDIES

Course Status (compulsory/elective): elective

Semester (winter/summer): summer

Language of instruction:english

Mode of course unit delivery (face-to-face/distance learning): face-to-face

Number of ECTS Allocated: 7

Prerequisites:

Course Aims: The aim of the course is to improve monitoring techniques of secondary populations of woody species such as phenological observations (leafing, flowering, fruiting) and monitoring of morphometric characteristics on selected woody species. Assessment of the impact of urban stress (drought, high air temperature, high concentrations of salt and heavy metals in the soil) on the existing dendroflora and selection of adaptable individuals of woody species based on monitoring.

Learning Outcomes: Formation of experts in knowledge of biological, ecological and functional values of dendroflora on green areas as well as monitoring of dendroflora of Gymnosperms and Angiosperms in urban conditions.

Syllabus:

Theory

Status of secondary populations of woody species. Monitoring techniques. Phenological observations (leafing, flowering, fruiting). Making a phenogram. Development of bioecological basis. Monitoring of morphometric characteristics on selected woody species. Evaluation of functionality of selected woody species. Assessment of the impact of urban stress (drought, high air temperature, high concentrations of salt and heavy metals in the soil) on the existing dendroflora. Selection of adaptable individuals of woody species based on the performed monitoring.

Practice

Review of fresh plant material. Outdoor classes on urban green areas.

Required Reading:

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 Publiushers, London.
3. Scientific papers from the journal Urban forestry and urban greening,

Weekly Contact Hours:	**Lectures:**	**Practical work:**

Teaching Methods: Teaching is carried out by means of modern scientific-educational resources in the form of practice.

Knowledge Assessment (maximum of 100 points):

Pre-exam obligations	points	**Final exam**	points
Active class participation	/	written exam	/
Practical work	/	oral exam	60
Preliminary exam(s)	/	…….	
Seminar(s)	40		

The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.