Course Unit Descriptor

Study Programme: Fruit science, Viticulture and Horticulture – module Nursery production

Course Unit Title: Ampelography and grapevine selection

Course Unit Code: 19.VI1014

Name of Lecturer(s): Full professor Dragoslav Ivanišević, Assistant professor Mladen Kalajdžić

Type and Level of Studies: Undergraduate

Course Status (compulsory/elective): compulsory

Semester (winter/summer): winter

Language of instruction: Serbian/English

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

Number of ECTS Allocated: 6

Prerequisites: passed exams related to grapevine science in the previous semeseters

Course Aims:

The goal of course is that students acquire knowledge and ability to implement methods for ampelographic, agrobiological and technological analysis and characterization of *Vitis* genus and its grapevine cultivars. Gaining of knowledge and implementation of the methods used in breeding programs with the aim of improvement of already existing assortment, improvement of productivity traits of the cultivars used in production and production of new grapevine varieties and rootstocks.

Learning Outcomes:

By acquiring the knowledge, students will be able to analyze chose and determine species and cultivars of grapevine, and furthermore be able to work in breeding programs in the field of viticulture.

Syllabus:

Theory

The term of ampelography and systematics of grapevine. Species of the genus *Vitis*. Methods of ampelographic description of varieties and their applications. Ampelographic scheme. The application of descriptors of OIV, UPOV and IBPGR and special software. Methods of molecular biology in ampelography. Methods of analysis of agrobiological characteristics of varieties. Analysis of production and technological properties. Grape and berry analysis. Microvinification. Ampelography collections. Introduction of grapevine cultivars. Clone selection. Hybridization (objectives, methods, results). The inheritance of traits in vines. Interspecies hybridization (objectives, results).

Practice

Through exercises where students independently apply methods of ampelographic analysis and selection of available material in ampelography collection at the experimental field of the Department situated in Sremski Karlovci.

Required Reading:

Cindrić P., Korać N., Ivanišević D.: Ampelografija i selekcija vinove loze, Univerzitet u Novom Sadu, Poljoprivredni fakultet, 2019

Žunić. D., Garić, M.: Posebno vinogradarstvo. Ampelografija 1, Univerzitet u Beogradu, Poljoprivredni fakultet, Beograd – Zemun, 2010

Ţunić D., Garić M., Ristić M., Ranković V., Radojević I., Mošić I.: Atlas sorti vinove loze, centar za Vinogradarstvo Niš, 2009

Mirošević N., Turković Z.: Ampelografski atlas, Zagreb, 2003

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

Teaching Methods:

Lectures and practical classes with contemporary approach in classrooms and at the Ampelography collection in Sremski Karlovci.

Knowledge Assessment (maximum of 100 points):

Pre-exam obligations	points	**Final exam**	points
Active class participation	10	written exam	30
Practical work		oral exam	40
Preliminary exam(s)	20	…….	
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.