

Study Programme: Growing of fruits and grapevines
Course Unit Title: Varietal agrotechnics
Course Unit Code:
Name of Lecturer(s): Full prof. Ivan D. Kuljančić and Asst. prof. Predrag N. Božović
Type and Level of Studies: Master academic
Course Status (compulsory/elective): Elective
Semester (winter/summer): Winter/summer
Language of instruction: English
Mode of course unit delivery (face-to-face/distance learning): Face-to-face
Number of ECTS Allocated: 6
Prerequisites: Grapevine biology, Grapevine growing and technology
Course Aims: The education and training of master students in the field of grapes varietal agrotechnics. Candidate should be based registry study of literatures and scientific works, to expand knowledge with the special cultivar demands in the fields of agro and phytotechnics.
Learning Outcomes: The formation of professionals with academic qualifications, which has an extended knowledge in relation to the knowledge acquired at the undergraduate studies. Student must be prepared to upgrade his knowledge, in the field of agro and phytotechnics (summer pruning), in both, theoretical and practical work, and especially on the terrain, in the vineyard. He must be prepared to resolve a large number of particular cultivar demands for summer pruning, in order to provide longevity of the vineyard, high, quality and stabil yields of grapes.
<p>Syllabus:</p> <p><i>Theory</i> Agrotechnic measures: special cultivar demands towards pruning and binding, shallow and deep soil cultivation depending on root spreading, fertilization and irrigation depending on cultivar and rootstock, harvesting depending on cultivar.</p> <p>Phytotechnics: deshooting of different cultivars, shoot positioning depending on cultivar, topping of young shoots to achieve additional grape yield, topping and hedging (shortening of main shoots and laterals) depending on cultivar, defoliation depending on cultivar.</p> <p><i>Practice</i> laboratory exercise, terrain exercise, research work</p> <p>Agrotechnic and phytotechnic measures practical performing in the vineyard at the Experimental field, Soil cultivation, soli fertilization and irrigation, harvesting depending on cultivar.</p>
<p>Required Reading:</p> <p>P. Cindrić, Nada Korać, V. Kovač: Sorte vinove loze. Prometej, Novi Sad, 1994, 2000.</p> <p>Ivan D. Kuljančić, Predrag N. Božović: Biologija i ekologija loza i vinove loze te božanske biljke. Prometej, Novi Sad, 2018.</p> <p>Ivan D. Kuljančić: Vinogradarstvo-vinova loza, ta božanska biljka. Prometej, Novi Sad, 2007.</p>

A. Nakalamić, N. Marković: Opšte vinogradarstvo. Poljoprivredni fakultet Zemun i Zadužbina Sv. Manastira Hilandara, Beograd, 2009.

Weekly Contact Hours: 40	Lectures: 30	Practical work: 30
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Teaching Methods: Lectures, Practice/ Practical classes, Consultations, study, research work...

Knowledge Assessment (maximum of 100 points):

Pre-exam obligations	points	Final exam	points
Active class participation	20	written exam	
Practical work	20	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.