

Study Programme: Field and vegetable crops
Course Unit Title: Viticulture
Course Unit Code:
Name of Lecturer(s): Full prof. dr Ivan D. Kuljančić and Asst. prof. dr Predrag N. Božović
Type and Level of Studies: Undergraduate academic
Course Status (compulsory/elective): elective
Semester (winter/summer): winter
Language of instruction: English
Mode of course unit delivery (face-to-face/distance learning): Face-to-face
Number of ECTS Allocated: 5
Prerequisites: Botany, Physiology, Biochemistry
Course Aims: Education and training of undergraduate students from the study programme Field and vegetable crops, in the field of viticulture.
Learning Outcomes: The formation of professionals with academic qualifications, prepared to upgrade their knowledge, in the field of viticulture, with the ultimate goal to use it, in the projects of changing the purpose of the soil.
<p>Syllabus:</p> <p><i>Theory</i> Introduction: Importance of grapevine and its products. History of vines, grapevine and wine.</p> <p>Botanical systematics: general features of <i>Vitaceae</i> family, genera of family <i>Vitaceae</i> (with special review on decorative), genus <i>Vitis</i> and geographical group in it.</p> <p>Vineyard establishing: terrain choosing for vineyards, clearing and cleaning of the field, reclamation works before the vineyards establishing, soil trenching, soil preparation for planting and grapevine planting, young vineyard cultivation</p> <p>Grapevine pruning and training systems : demands for pruning and its importance, biological basis for pruning, training systems, grapevine support systems.</p> <p>Vineyard cultivation in full production: soil cultivation in vineyard, vineyard fertilization, vineyard irrigation, measures of summer pruning.</p> <p>Grape harvesting: Grapes ripening monitoring, grapes sampling, organization of grapes harvesting, transport and grapes preservation.</p> <p><i>Practice</i> Vine and grapevine vegetative and generative organs review, generative and vegetative propagation, vinestock necessary features for grafting, propagation by cuttings and grafting-review, Young vineyards pruning, with a purpose of training system establishing, vineyard pruning in full production, vineyards planting and support system positioning, grapevine tying, operations of summer pruning, wine grapevine harvesting, table grape harvesting, assortment and packaging.</p>
Required Reading:
Ivan D. Kuljančić: Vinogradarstvo-vinova loza, ta božanska biljka. Prometej, Novi DSad, 2007.

Ivan D. Kuljančić and Predrag N. Božović: Biologija i ekologija loza i vinove loze te božanske biljke. Prometej, Novi Sad, 2018.

Nebojša Marković: Tehnologija gajenja vinove loze. Poljoprivredni fakultet zemun i Zadužbina Sv. Manastira Hilandara, Beograd, 2012.

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

Knowledge Assessment (maximum of 100 points):

Pre-exam obligations	points	Final exam	points
Active class participation	10	written exam	
Practical work	20	oral exam	50
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.