

### DESCRIPTION OF A STUDY COURSE – SYLLABUS

<b>Title of a course</b>	Wine growing II				
<b>Head of course</b>	PhD Marijan Bubola, Senior Lecturer				
<b>Study programme</b>	Professional undergraduate study Winemaking				
<b>Status of a course</b>	Obligatory				
<b>Year of study</b>	1.	<b>Semester</b>	II	<b>ECTS credits</b>	5
<b>Teaching plan (L + E + S+ Pr)</b>	2+1+0+3				
<b>Goals of a course</b>					
Acquiring knowledge and skills necessary for the performance of planting potholes and green and ripe saplings in a young vineyard in the form of cultivation, interpretation of the general principles of green pruning and the impact of specific greening operations on the yield per vine, ripening and quality of grapes, such as and design of specific green planting activities, identification of growth phenophases and development during the annual biological cycle of the vine, learning about the role that particular climatic factors, soil and relief have on the growth and development of the vine and the potential quality of the grapes, and diminish the necessary knowledge to determine the suitability for planting vineyard.					
<b>Conditions for enrolling course</b>					
No conditions					
<b>Learning outcomes on a level of a study programme which includes course</b>					
Outcome 1: Plan the planting of vineyards with regard to the ecological and agro-climate conditions of the production unit. Outcome 2: Interpret soil analysis results and optimize pedological soil properties. Outcome 3: Perform the care of the grapevine plantations in accordance with the cultivation form and maintain the vineyard in view of the technological and ecological conditions of production.					
<b>Expected learning outcomes on a level of a course</b>					
1. Describe a mode for vine strapping and binding spurs in original plantation and vines in young vineyard with a purpose of forming the breeding shape. 2. Interpret general principles of green pruning and influence of specific procedures of green pruning on vine product, aging and quality of vine. 3. Planning the approach to completing the green pruning in comparison to the preferred mode of production and to conduct specific manoeuvres in green pruning. 4. Identify phenol-phases of growth and development during a one-year biological cycle of vine and monitor the phenol-phases of growth and development of vines. 5. Explain the importance of individual climate factors, soil and terrains for vine cultivation and evaluate appropriateness of location for planting vineyard and choosing the right sort regarding the ecological conditions of location.					
<b>Content of a course</b>					
Binding of vine. Binding techniques. Materials required for vine binding. Green vine cutting. Technique of green cutting. Sprout shortening. Sprout topping. Removing leaves. Other ways of applying green cutting					
<b>Teaching modes</b>	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> auditory exercises <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> distance learning <input type="checkbox"/> field classes		<input checked="" type="checkbox"/> individual assignments <input type="checkbox"/> multimedia and network <input type="checkbox"/> laboratory <input type="checkbox"/> supervisor's work <input type="checkbox"/> other _____		
<b>Comments</b>					
<b>Students' obligations</b>					

**Grading, evaluation and monitoring of students' work continuously during lectures and exams**

Grading is based upon evaluation of course's learning outcomes' adoption. Grading is performed continuously during lectures and/or during exam, in compliance with the provisions of Regulation on the assessment of students.

**Continuous check-up:**

Outcomes	Pre-exam I	Assignment	Practical demonstration	Threshold	Max
Outcome 1	5		5	5	10
Outcome 2	15			7,5	15
Outcome 3	15		5	10	20
Outcome 4	10	10		10	20
Outcome 5	35			17,5	35
Percentage of ECTS	4	0,5	0,5	-	-
Total	80	10	10	50%	100%

A student has passed the exam if he has acquired a percentage of credits for each learning outcome higher or equal to defined threshold.

**Exam term:**

Outcomes	Written exam	Oral exam	Threshold	Max
Outcome 1	8	2	5	10
Outcome 2	12	3	7,5	15
Outcome 3	16	4	10	20
Outcome 4	16	4	10	20
Outcome 5	28	7	17,5	35
Percentage of ECTS	4	1	-	-
Total	80	20	50%	100%

A student has passed the exam if he has acquired a percentage of credits for each learning outcome higher or equal to defined threshold.

**Grading:**

A student has passed the exam if he has acquired at least 50% of anticipated credits of a specific learning outcome.

If a student has passed learning outcomes of all courses, the accomplished credits (percentages) of all passed learning outcomes are being added, while the final grade is defined upon following table:

Range of credits (percentages)	Numerical grade	ECTS grade
90,00 – 100,00	Excellent (5)	A
75,00 – 89,99	Very good(4)	B
60,00 – 74,99	Good(3)	C
50,00 – 59,99	Sufficient (2)	D
0,00 – 49,99	Insufficient (1)	F

**Obligatory literature**

1. Mirošević, N., Karoglan Kontić, J. (2008) Vinogradarstvo. Nakladni zavod Globus, Zagreb
2. Maletić, E., Karoglan Kontić, J., Pejić, I. (2008) Vinova loza – Ampelografija, ekologija, oplemenjivanje. Školska knjiga, Zagreb

**Additional literature**

1. Keller, M. (2015) The Science of Grapevines - Anatomy and Physiology. Academic Press, London, UK.
2. Fregoni, M., (2006) Viticoltura di qualità. Tecniche nuove, Milano, Italia
3. Jackson, R.S. (2008) Wine Science. Academic Press, New York, USA



