

### DESCRIPTION OF A STUDY COURSE – SYLLABUS

<b>Title of a course</b>	Vine growing V				
<b>Head of course</b>	PhD Ivana Dminić Rojnić, Senior Lecturer				
<b>Study programme</b>	Professional undergraduate study Winemaking				
<b>Status of a course</b>	Obligatory				
<b>Year of study</b>	3	<b>Semester</b>	V	<b>ECTS credits</b>	5
<b>Teaching plan (L + E + S+ Pr)</b>	2+1+0+2				
<b>Goals of a course</b>					
Through theoretical and practical classes, students gain knowledge about the characteristics of the wine-growing regions and sub-regions of the Republic of Croatia and the wine and table grape varieties. They are introduced to the economically important pests of the vine, measures and methods of protection with emphasis on ecological and integrated protection measures. Students will be able to use the acquired knowledge when designing and executing the raising of vineyards, as well as later in the management of vineyard production.					
<b>Conditions for enrolling course</b>					
No conditions					
<b>Learning outcomes on a level of a study programme which includes course</b>					
<p>Outcome 1: Plan the planting of vineyards with regard to the ecological and agro-climate conditions of the production unit.</p> <p>Outcome 2: Interpret soil analysis results and optimize pedological soil properties.</p> <p>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.</p> <p>Outcome 4: Determine the economically significant grapevine pests and implement preventative and curative methods of plant protection.</p> <p>Outcome 5: Present the wine professionally, using professional terminology in describing and evaluating the wine, and lead wine tasting by interpreting the sensory experiences of the wine.</p> <p>Outcome 12: Use the legislation (Act and Regulations on wine).</p>					
<b>Expected learning outcomes on a level of a course</b>					
<ol style="list-style-type: none"> <li>Describe the characteristics of wine-growing regions and sub-regions of the Republic of Croatia and identify and ampelographically describe the wine and table grapevine varieties.</li> <li>Identify and distinguish economically significant grapevine pests.</li> <li>Select and propose integrated and ecological measures for the protection of grapevine from pests</li> <li>Prepare a project for raising a vineyard.</li> <li>Link knowledge of viticulture production technology with new technologies in order to increase quantity and quality, in line with the sustainable development of viticulture.</li> </ol>					
<b>Content of a course</b>					
Zoning of vine growing locations in Croatia. Vine growing foundations. Table varieties of grape vine. Primary and secondary pests of grape vine. Ecological wine growing. Design of vineyards. Latest trends in technology of wine growing production.					
<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	Project assignment	Practical classes report	Threshold	Max
Outcome 1	25			12,5	25
Outcome 2	20		5	12,5	25
Outcome 3	20		5	12,5	25
Outcome 4		10		5	10
Outcome 5		10	5	7,5	15
Percentage of ECTS	3	1	1		
Total	60	20	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.

**Exam term:**

Outcomes	Written exam	Oral exam	Max
Outcome 1	20	5	25
Outcome 2	20	5	25
Outcome 3	20	5	25
Outcome 4	5	5	10
Outcome 5	10	5	15
Percentage of ECTS	4	1	
Total	75	25	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. Mirošević, N., Turković, Z. (2003) Ampelografski atlas. Golden marketing - Tehnička knjiga, Zagreb
3. Maletić, E., Karoglan Kontić, J., Pejić, I. (2008) Vinova loza - Ampelografija, ekologija, oplemenjivanje. Školska knjiga, Zagreb
4. Maceljiski, M., Cvjetković, B., Ostojić, Z., Barić, B. (2006.): Štetočinje vinove loze, Zrinski d. d. Čakovec.

**Additional literature**

1. Vivoda, V. (1996). Teran i Refoš u Istri. Hrvatsko agronomsko društvo, Zagreb
2. Vivoda, V. (2003). Malvasia Istriana: Risultati delle pluriennali ricerche ampelografico-economiche e suo miglioramento genetico. Knjižnica Annales Majora, Kopar, Slovenija.
3. Fregoni, M., (2006) Viticoltura di qualità. Tecniche nuove, Milano, Italia

4. Jackson, R.S. (2000) Wine Science. Academic Press, New York, USA
5. Marengi, M. (2005) Manuale di viticoltura - Impianto, gestione e difesa del vigneto. Edagricole, Bologna, Italia
6. Ciglar, I. (1998.): Integrirana zaštita voćaka i vinograda, Zrinski d. d. Čakovec
7. Grupa autora (svakogodišnje izdanje broj 1-2): Glasilo biljne zaštite, HDBZ, Zagreb
8. Igrc Barčić, J., Maceljki, M., (2001): Ekološki prihvatljiva zaštita bilja od štetnika. Zrinski, Čakovec
9. Ivezić, M. (2003.): Štetnici vinove loze i voćaka. Veleučilište u Požegi; Veleučilište u Rijeci.
10. Jurković, D., Čosić, J. (2003.): Zaštita vinograda i voćnjaka od uzročnika bolesti. Veleučilište u Požegi.

