

DESCRIPTION OF A STUDY COURSE – SYLLABUS

Title of a course	Olive growing				
Head of course	PhD Marin Krapac				
Study programme	Professional undergraduate study Mediterranean Agriculture				
Status of a course	Obligatory				
Year of study	2.	Semester	III	ECTS credits	6
Teaching plan (L + E + S+ Pr)	2+1+2				
Goals of a course					
By mastering the course's material, students are able to carry out the cultivation and care of olive trees and to influence the quality of the raw material for obtaining extra virgin olive oils and canned olives through agro technical and pomotechnical interventions.					
Conditions for enrolling course					
No conditions					
Learning outcomes on a level of a study programme which includes course					
<p>Outcome 1: Assess the quality of planting material and produce planting material by the appropriate propagation method.</p> <p>Outcome 3: Prepare a plan for the cultivation of Mediterranean crops, including economic and cultivation elements.</p> <p>Outcome 4: Perform the care of perennial plantations of Mediterranean crops in accordance with the cultivation form and maintain them in view of the technological and ecological conditions of production.</p> <p>Outcome 5: Design irrigation models based on water balance and apply classic and special irrigation models.</p> <p>Outcome 6: Determine economically significant pests and implement preventative and curative methods of plant protection with respect to the production system.</p> <p>Outcome 9: Recommend raw materials, tools and method of preserving Mediterranean crops and bee products.</p> <p>Outcome 10: Interpret virgin olive oil production technology.</p>					
Expected learning outcomes on a level of a course					
<ol style="list-style-type: none"> 1. Determine, at the morphological level, the leading varieties of olives and interpret their production characteristics. 2. Design an olive plantation with field preparation, ameliorative fertilization and selection of irrigation systems. 3. Determine and describe the most important olive diseases and pests. 4. Determine the index of olive fruit ripeness and indicate manners of fruit harvesting. 5. Select cuttings and root the cuttings. 6. Prune fertile olive trees. 7. Use the legislation (Act and Regulations on planting material, plant protection and virgin olive oils). 					
Content of a course					
Origin, production areas and expansion of olives in Croatia and abroad. Basic structure (vegetative and generative organs), phenophases, impact of agro-ecological conditions on growth of olives and certain varieties. Propagation of olives (vegetative and generative), preparation of terrain, planting, establishment of growing forms, intertillage, diseases and pests, protection from them. Agro-technical and pomo-technical measures in production plantations of olives. Varieties of olives and their characteristics. Practical teaching activities (propagation, planting, cutting and harvest) to be done in appropriate teaching and technological premises in Istria.					
Teaching modes	<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 _____		

Comments						
Students' obligations						
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	Laboratory exercises	Sensory analysis	Practical work	Threshold	Max
Outcome 1	5	5	/	5	7,5 %	15 %
Outcome 2	10	/	/	5	7,5 %	15 %
Outcome 3	8	/	/	8	8 %	16 %
Outcome 4	5	5	/	5	7,5 %	15 %
Outcome 5	5	/	/	5	5 %	10 %
Outcome 6	10	/	/	5	7,5 %	15 %
Outcome 7	7	/	/	7	7 %	14 %
Percentage of ECTS	3,0	1,0	0	2,0	-	-
Total	50 %	10 %	0 %	40 %	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	15	/	7,5 %	15 %
Outcome 2	5	10	7,5 %	15 %
Outcome 3	10	5	7,5 %	15 %
Outcome 4	10	5	7,5 %	15 %
Outcome 5	10	5	7,5 %	15 %
Outcome 6	10	5	7,5 %	15 %
Outcome 7	10	/	5 %	10 %
Percentage of ECTS	5	2	-	
Total	70 %	30 %	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.	Gucci, R., Cantini, C. (2008): Rezidba i uzgojni oblici za suvremeni uzgoj maslina, Naklada Uliks, Rijeka. ISBN 978-953-7306-12-0
2.	Bjeliš, M. (2005) Zaštita masline u ekološkoj proizvodnji, Vlastita naklada, Solin. ISBN 953-95222-0-X
Additional literature	
1.	Žužić, I. (2011) Svijetlo u rezu maslina, „Olea“, udruga maslinara Istarske županije. ISBN 978-953-99429-3-7
2.	Perica, S., Zadro, B. (2007) Maslina i maslinovo ulje A-Ž, Naklada Zadro, Zagreb. ISBN 978-953-18207-5-2

