

DESCRIPTION OF A STUDY COURSE – SYLLABUS

Title of a course	Plant housing				
Head of course	Associate Professor, PhD Smiljana Goreta Ban				
Study programme	Professional undergraduate study Mediterranean Agriculture				
Status of a course	Elective				
Year of study	3.	Semester	V	ECTS credits	4
Teaching plan (L + E + S+ Pr)	2+1+0+0				
Goals of a course					
The objectives of the course are to acquaint students with classical and modern techniques in plant propagation and to acquire skills in organizing work of nursery production and nurseries in plant production with an emphasis on fruit and wine growing.					
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 2: Recommend the production technology for vegetables and medicinal plants outdoors and in protected areas according to the requirements of a certain species, and evaluate the quality of vegetables and aromatic herbs on the basis of internal and external quality.</p> <p>Outcome 3: Prepare a plan for the cultivation of Mediterranean crops, including economic and cultivation elements.</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>					
Expected learning outcomes on a level of a course					
<ol style="list-style-type: none"> 1. Describe the development of nursery production and the organization of commercial plant nurseries 2. Describe the basic categories of seed and planting material 3. Select appropriate methods of vegetative and/or generative propagation of particular plant species of interest 4. Select the appropriate production technology for planting material of plant species of interest 5. Use legislation in seed and nursery production (Acts and Regulations) 					
Content of a course					
Importance of plant housing in development of fruit growing and grape growing. Ways of propagation (vegetative and generative methods) and organisation of plant house. Planning seedling production, preparing foundations and the rest for budding, ways of budding, stratification, vegetative propagation by using ripe and green shoots, propagation established by crop tissue, labelling, picking out and clamping of seedlings, production of planting material in containers, professional controls over production of planting material.					
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	Practical work	Seminar work	Assignment	Threshold	Max
Outcome 1	15	/	/	/	7,5	15
Outcome 2	15	/	/	/	7,5	15
Outcome 3	/	10	/	20	15	30
Outcome 4	/	15	10	10	12,5	35
Outcome 5	/	/	5	/	2,5	5
Percentage of ECTS	1,2	1	0,6	1,2	-	-
Total	30	25	15	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.

Exam term:

Outcomes	Written exam	Oral exam	Threshold	Max
Outcome 1	15	/	7,5	15
Outcome 2	15	/	7,5	15
Outcome 3	25	5	15	30
Outcome 4	30	5	12,5	35
Outcome 5	5	/	2,5	5
Percentage of ECTS	3,6	0,4	-	-
Total	90%	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.

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. Hartmann, H.T., Kester, D.E., Geneve, R.L., Davies, F.T. 2002. Hartmann and Kester's Plant Propagation: Principles and Practices;
2. Miljković, I. 1991. Suvremeno voćarstvo;
3. Mirošević, N. 2007. Razmnožavanje loze i lozno rasadničarstvo;
4. Ševar, M i sur. 2005. Proizvodnja voćnog i loznog sadnog materijala;

Additional literature

1. Lecture materials

