

DESCRIPTION OF A STUDY COURSE – SYLLABUS

Title of a course	Seed production				
Head of course	PhD Vesna Kovačević, College Professor				
Study programme	Professional undergraduate study Mediterranean Agriculture				
Status of a course	Elective				
Year of study	2.	Semester	III	ECTS credits	4
Teaching plan (L + E + S+ Pr)	(2+1+0+0)				
Goals of a course					
Introduce students to seed properties, quality and control of seed quality, specificities of seed production and methods of seed breeding.					
Conditions for enrolling course					
No conditions					
Learning outcomes on a level of a study programme which includes course					
Outcome 1: Assess the quality of planting material and produce planting material by the appropriate propagation method. 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. Outcome 6: Determine economically significant pests and implement preventative and curative methods of plant protection with respect to the production system.					
Expected learning outcomes on a level of a course					
1. Interpret basic concepts in seed science and describe seed properties. 2. Distinguish between cultivar types and basic seed categories. 3. Plan seed production under different agro-ecological conditions. 4. Design seed crop cultivation.					
Content of a course					
Seed, seed maturation, hereditary features of seed, what is a variety, biological foundations of seed production, what is seed production. Seed production tasks. Reproduction principles of plants in system of seed production, seed quality and control of seed quality, growing methods of seed crops, seed cleaning and treatment, seed production marketing, seed production legislature, agro-ecological conditions, organisation of seed production, seeds of vegetable, arable and feed crops.					
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					
Required attendance at exercises. Students must have a notebook of completed activities (individual assignments and exercises) that are reviewed and scored.					
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	Activity	Presentation	Assignment	Threshold	Max
Outcome 1	25	3		2	15	30
Outcome 2	15	1	10		13	26
Outcome 3	10	4		10	12	24
Outcome 4		4	10	6	10	20
Percentage of ECTS	2	0,5	1	0,5		
Total	50	12	20	18	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	22	8	30
Outcome 2	20	5	25
Outcome 3	20	5	25
Outcome 4	18	2	20
Percentage of ECTS	3	1	
Total	80 %	20 %	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. Kolak, I. 1994. Sjemenarstvo ratarskih i krmnih kultura. Nakladni zavod Globus, Zagreb.
2. Skender, A. i sur. 1998. Sjemenje i plodovi poljoprivrednih kultura i korova na području Hrvatske. Poljoprivredni fakultet u Osijeku.

Additional literature

1. Lešić, R., Pavlek, P., Cvjetković, B. 1993. Proizvodnja povrtnog sjemena. Agronomski fakultet u Zagrebu.

