

DESCRIPTION OF A STUDY COURSE – SYLLABUS

Title of a course	Applying IT in agriculture				
Head of course	PhD Elena Krelja Kurelović, College Professor				
Study programme	Professional undergraduate study Mediterranean Agriculture				
Status of a course	Obligatory				
Year of study	1	Semester	I	ECTS credits	3
Teaching plan (L + E + S+ Pr)	L+E (1+2)				
Goals of a course					
To equip students for adequate use of computers and modern information and communication technologies in everyday life and agriculture.					
Conditions for enrolling course					
No conditions					
Learning outcomes on a level of a study programme which includes course					
Outcome 3: Prepare a plan for the cultivation of Mediterranean crops, including economic and cultivation elements. Outcome 5: Design irrigation models based on water balance and apply classic and special irrigation models. Outcome 11: Present oil in a professional manner, using expert terminology in describing and evaluating the oil, interpreting the sensory experiences and quality of virgin olive oil.					
Expected learning outcomes on a level of a course					
<ol style="list-style-type: none"> 1. Distinguish components of a computer system and their function 2. Use computer networks and Internet services to browse information, communicate and share content 3. Apply a word processor to document editing 4. Process numerical data and display it graphically 5. Design a digital multimedia presentation 					
Content of a course					
Units which will be analyzed are: the notion of informatics, information, information technology and information society; computer system; computer programs; organization and data processing; multimedia; information systems in the agriculture; computer networks; Internet; security of programs and data; ergonomics and the use of computers.					
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	Written exam	Practical tasks	Computer work	Threshold	Max

Outcome 1	10	10		10	20
Outcome 2	5	10	5	10	20
Outcome 3			25	12,5	25
Outcome 4			25	12,5	25
Outcome 5		10		5	10
Percentage of ECTS	0,5	1	1,5		
Total	15	30	55	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	10	10	20
Outcome 2	10	10	20
Outcome 3	25		25
Outcome 4	25		25
Outcome 5		10	10
Percentage of ECTS	2,25	0,75	
Total	70	30	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. Grundler, Gvozdanović, Ikić i sur. (2011). Windows 7 i Office 2010 – ECDL Syllabus 5.0. ProMil. Varaždin
2. Grbavac, V., Informatika u poljoprivredi, Filedata, Zagreb, 2006

Additional literature

1. Web feeds on smart and precision agriculture

