

DESCRIPTION OF A STUDY COURSE – SYLLABUS

Title of a course	Enterprise Information System				
Head of course	MSc Vesna Krajčič, Lecturer				
Study programme	Professional undergraduate study Telematics				
Status of a course	Elective				
Year of study	3.	Semester	V	ECTS credits	5
Teaching plan (L + E + S+ Pr)	2+2+0+0				
Goals of a course					
Acquisition of specific competencies in the areas of enterprise information systems and planning and management production systems. From general competencies developing the ability to analyze and synthesize, work independently and work in smaller groups (teamwork) and a view of the results achieved.					
Conditions for enrolling course					
No conditions					
Learning outcomes on a level of a study programme which includes course					
<p>Outcome 4: Use computer principles and methods related to the architecture and organization of computers and computer networks.</p> <p>Outcome 5: Use computer principles and methods related to programming languages, databases, and operating systems.</p> <p>Outcome 6: Design and implement desktop, web and mobile computer applications and computer programs for microcomputers and microcontrollers, with or without a database.</p> <p>Outcome 10: Analyse and implement an information system in the field of telematics.</p> <p>Outcome 12: Design and develop solutions for components, circuits and software for application in computer networks and information systems, with the preparation of supporting project documentation.</p> <p>Outcome 13: Design and develop solutions for components, circuits and software for application in regulation systems and production processes, with the preparation of supporting project documentation.</p> <p>Outcome 15: Participate in teamwork and independently present professional content in written and spoken form in Croatian and English.</p>					
Expected learning outcomes on a level of a course					
<ol style="list-style-type: none"> 1. Distinguish types of companies, production, production systems layouts and their balancing. 2. Analyse the throughput of a production system and the management of production and product quality at a company with an information system. 3. Plan production at different levels in a company with an information system. 4. Explain the technical aspects of a company's information system and decision support system. 5. Describe the development, characteristics and structure of a company's integrated information system, basic systems for automation in production, and the implementation process of a company's information system. 					
Content of a course					
Commercial models: - tradesman vs. client; - eCommerce-a / eBusiness economy; - B2B, B2C, B2E itd., m-Commerce; - Factors of success and examples of success (Yahoo!, Amazon, Ebay); - horizontal application; - payment process; - security; - eMarketing, 1-to-1 Marketing, fun with a goal (online games); -eLearning; - vertical applications; - status quo and examples of success in different fields of trade, - eGovernment: - different fields of technologies and architecture; - personalization, communities, portals; - commerce systems, peer-to-peer (P2P)					
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	Pre-exam 2	Project assignment	Threshold	Max
Outcome 1	16%		4%	10%	20%
Outcome 2	16%		4%	10%	20%
Outcome 3	16%		4%	10%	20%
Outcome 4		16%	4%	10%	20%
Outcome 5		16%	4%	10%	20%
Percentage of ECTS	2,4	1,6	1		
Total	48%	32%	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	16%	4%	20%
Outcome 2	16%	4%	20%
Outcome 3	16%	4%	20%
Outcome 4	16%	4%	20%
Outcome 5	16%	4%	20%
Percentage of ECTS	4	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. Bogdan, S.; Petrović, T.: Projektiranje proizvodnih sustava, Fakultet elektrotehnike i računarstva, Zagreb, 2012.
2. Majdandžić, N.: Izgradnja informacijskih sustava proizvodnih poduzeća, Strojarski fakultet, Slavonski Brod, 2004.
3. Mikac, T.; Blažević, D.: Planiranje i upravljanje proizvodnjom, Tehnički fakultet, Rijeka, 2007.

Additional literature
<ol style="list-style-type: none">1. Majdandžić, N.: Upravljanje proizvodnjom, Strojarski fakultet, Slavonski Brod, 2001.2. Žugaj, M.: Informacijski sustavi proizvodnje, Informator, Zagreb, 1992.

