

DESCRIPTION OF A STUDY COURSE – SYLLABUS

Title of a course	Information System Planning				
Head of course	Associate Professor, PhD Alen Jakupović				
Study programme	Specialist professional graduate study of Information Technology in Business Systems				
Status of a course	Obligatory				
Year of study	2.	Semester	III	ECTS credits	4
Teaching plan (L + E + S+ Pr)	2+0+1+0				
Goals of a course					
Acquire competencies to develop a strategic plan for the development of an information system.					
Conditions for enrolling course					
No conditions					
Learning outcomes on a level of a study programme which includes course					
<p>Outcome 1: Apply information and communication systems design methods.</p> <p>Outcome 4: Apply quality standards to the process of the development of business information systems.</p> <p>Outcome 5: Apply the standards and methods of controlling and auditing the business information system.</p> <p>Outcome 8: Apply methods and techniques for managing security and data protection in information and communication systems.</p> <p>Outcome 10: Explain the basic concepts of computer-controlled complex, process and production systems.</p> <p>Outcome 11: Apply strategic planning methods for the development of information and communication systems.</p> <p>Outcome 14: Organize and lead teamwork in the field of business information systems.</p> <p>Outcome 15: Analyse and recommend the use of IT tools within a business organization.</p>					
Expected learning outcomes on a level of a course					
<ol style="list-style-type: none"> 1. Apply vision-phase methods as part of the information system planning process 2. Apply analysis-phase methods as part of the information system planning process 3. Apply orientation-phase methods as part of the information system planning process 4. Apply recommendation-phase methods as part of the information system planning process 5. Prepare a strategic plan for an information system development 					
Content of a course					
Business strategy and information system. Influence of business strategy on the development of IS and evaluation of IT. Dependence of a company business operations on IS/IT. Factors of business strategy and their role in strategic planning of IS. Reorganization of business operations. Principles of reorganization. Methods of IS strategic planning. Goals and results of IS strategic planning. Formalization of the problem of strategic planning and mode of its implementation. IS structure optimization, time and development costs optimization. Business system and its IS performance evaluation. Operating costs calculated on the basis of activity analysis. Balanced system of success measurement with examples for profitable and non-profitable organizations.					
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 test	Strategic plan	Presentation	Threshold	Max
Outcome 1	5 %	10 %	5 %	10 %	20 %
Outcome 2	5 %	15 %	5 %	12,5 %	25 %
Outcome 3	5 %	15 %	5 %	12,5 %	25 %
Outcome 4	5 %	10 %	5 %	10 %	20 %
Outcome 5		10 %		5 %	10 %
Percentage of ECTS	0,8	2,4	0,8	-	-
Total	20 %	60 %	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	5 %	15 %	20 %
Outcome 2	5 %	20 %	25 %
Outcome 3	5 %	20 %	25 %
Outcome 4	5 %	15 %	20 %
Outcome 5		10 %	10 %
Percentage of ECTS	0,8	3,2	-
Total	20 %	80 %	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. Authorized Lectures

Additional literature

1. Pavlić, M., Jakupović, A., Čandrić, S.: Modeliranje procesa, Sveučilište u Rijeci, Rijeka 2014.
2. Pavlić, M.: Informacijski sustavi, Sveučilište u Rijeci, Rijeka 2009.

