

DESCRIPTION OF A STUDY COURSE – SYLLABUS

Title of a course	Economics of Information Systems				
Head of course	Assistant Professor, PhD Snježana Babić				
Study programme	Professional undergraduate study Information Science				
Status of a course	Obligatory				
Year of study	3.	Semester	V	ECTS credits	6
Teaching plan (L + E + S+ Pr)	2L+1S				
Goals of a course					
Students acquire the basic knowledge, skills and competencies required to evaluate the cost-effectiveness of business information systems in the process of business computerization.					
Conditions for enrolling course					
No conditions					
Learning outcomes on a level of a study programme which includes course					
Outcome 8: Evaluate the cost-effectiveness of business information systems. Outcome 9: Apply economic and accounting principles in the development of business information systems. Outcome 10: Apply the principles of e-business in the development of business information systems. Outcome 14: Participate in teamwork. Outcome 15: Independently present professional content in written and spoken form in Croatian and English.					
Expected learning outcomes on a level of a course					
<ol style="list-style-type: none"> 1. Explain the basic micro and macro concepts of company informatization 2. Explain the importance of the role of strategic IT planning and IT managers in business informatization 3. Evaluate the cost-effectiveness of business information systems in strategic planning of information system development 4. Define indicators for monitoring and evaluating the effectiveness of information systems 5. Interpret modern technologies from the economics aspect of the possibilities of their application in business operations 					
Content of a course					
Role of informatization. Basic characteristics of information society. Informatization of production processes and services. Position of work in information environment. Business in information environment. Communication and performance of computerized companies' business association. Life cycle of information system. Methods of evaluation and assessment of information system. Evaluation methods of information system. Information and its value. Absolute and applicable value of information, information processes and information system. Stratification of information system. Defining goals and tasks of business in information environment. Business success in information environment. Monitoring and evaluation indicators. Efficiency of information system.					
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					
Adherence to the Study Regulations and the Regulation on the assessment of students.					
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	Independent assignments	Theoretical written exam	Project assignment	Threshold	Max
Outcome 1	0,5%	5%		2,75%	5,5%
Outcome 2	0,5%	10%		5,25%	10,5%
Outcome 3	8%	15%		11,5%	23%
Outcome 4	1%	10%		5,5%	11%
Outcome 5		10%	40%	25%	50%
Percentage of ECTS	0,4	2	1,6	2	4
Total	10%	50%	40%	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	4,5%	1%	5,5%
Outcome 2	9,5%	1%	10,5%
Outcome 3	22%	1%	23%
Outcome 4	10%	1%	11%
Outcome 5	49%	1%	50%
Percentage of ECTS	3,8	0,2	4
Total	95%	5%	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. Varian, H. R., Farrell, J., & Shapiro, C. (2004). The economics of information technology: An introduction. Cambridge University Press.
2. Remenyi, D., Money, A., Sherwood-Smith, M., Irani, Z.: The Effective Measurement and Management of IT Costs and Benefits, Butterworth-Heinemann, Oxford, 2000.
3. Panian, Ž., Klepac, G. (2003): Poslovna inteligencija, Masmedia, Zagreb, 2003.

Additional literature

1. Panian, Ž., Spremić, M. i sur.: Korporativno upravljanje i revizija informacijskih sustava, Ekonomski

- fakultet Zagreb, 2007. Panian i sur.: Poslovni informacijski sustavi, Element, Zagreb, 2010.
2. Pulić, A. Informacijsko društvo i ekonomija. Privredni vjesnik, 1990.

