

DEPARTMENT: Economic Informatics
Doctoral School

Academic year: 2010 – 2011

Course title		ECONOMIE DIGITALĂ					
Course code	7SECO27	No. points 7	Hours per semester / activity				
			Total	C	S	L/P	
			28	28	-	-	
Faculty where delivered	ECONOMIC CYBERNETICS, STATISTICS AND INFORMATICS		Year of study			1	
			Semester			2	
Specialization	ECONOMIC INFORMATICS						
Course type: F – fundamental, S – specialized, C – complementary						S	
Course curricular category : C – compulsory, E – elective, F - free, S - special						C	
Pre-requisites	Compulsory						
	Recommended						
Objectives	Learning the basic elements of electronic business in the digital economy.						
Course contents (descriptors)	<ul style="list-style-type: none">Understand the possibilities and limits of technologies and platforms used in developing standards for electronic business applications. Skills needed for analysis, design and development of electronic business systems. Defining the context of the digital economy. Citizen-oriented information integration components;Quality assurance in informatics applications with real time resource allocation. Economic analysis of the value in digital content management. Electronic Business: definition, characteristics, impacts, requirements, models. Enterprise architecture - supporting business objectives. Technological infrastructure: client / server, web application, collaborative technologies, systems, templates for business;Standards used in electronic business: XML, XML Schema, ebXML, UBL, RSS, RDF, OWL. Solutions for electronic business through Web Services - SOAP, UDDI, WSDL;The security and audit of electronic business;Citizen oriented informatics applications – COIA, the development cycle. Content management in the digital economy. Cost and value in the knowledge oriented digital economy.						
Type of assessment (E – exam, A – continuous assessment, C – colloquium)						E	
Assessment percentage	Final exam/assessment paper					50%	
	Projects/Essay(s) + attendance					50%	
Bibliography	<ul style="list-style-type: none">M. P Papazoglou, P. MA Ribbers, <i>E-Business: Organizational And Technical Foundations</i>, , J. Wiley, 2006Roșca Gh. Ion, Ghilic B., <i>Informatica</i>, Ed. Economică, București, 2006Năstase P., Stanciu V., s.a. <i>Auditul și controlul sistemelor informaționale</i>, Editura Economică, 2007Ion IVAN, Bogdan VINTILA - <i>Managementul aplicatiilor informatice orientate spre cetatean</i> , Economie teoretica si aplicata, vol. 17, nr. 4 / 2010 (542), pp. 45 - 69, ISSN 1844-0029Ion IVAN, Eugen DUMITRASCU, Nicolae-Iulian ENESCU, Gheorghe MARIAN - <i>Models of estimation, forecasting and computing</i> JABIS - www.jabis.ro Vol. 01, No.01, 2010, pp. 1 – 12.Ion IVAN, Leonard SACUIU, Daniel MILODIN, Mihai GEORGESCU - <i>The Development of Citizen Oriented Informatics</i>, Informatica Economica, vol. 14, nr. 4, 2010, pg. 183 - 195, ISSN 1453-1305Ion IVAN, Marius POPA, Dragos PALAGHITA, Bogdan VINTILA, Mihai DOINEA - <i>Particularitatile crizei economice in societatea bazata pe cunoastere</i> paper presented at the Criza Globala si reconstructia Stiintei Economice conference, ASE, Bucuresti, 5 - 6 noiembrie 2010. Internet resources						
Instructors	Position, title, first name, surname					Signature	
	Prof. Dr. Ion IVAN, Prof. Dr. Floarea NASTASE						
Legend: L – lecture; S – seminar; L/P – laboratory/project work.							