

# BUCHAREST ACADEMY OF ECONOMIC STUDIES

DEPARTMENT: Economic Informatics

Doctoral School

## SYLLABUS

Academic year: 2010 – 2011

ECONOMIE DIGITALĂ						
Course title	Course code	No. points	Hours per semester / activity			
			Total	C	S	L/P
	7SECO27	7	28	28	-	-
Faculty where delivered	<b>ECONOMIC CYBERNETICS, STATISTICS AND INFORMATICS</b>				Year of study	1
Specialization	ECONOMIC INFORMATICS				Semester	2
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"> <li>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;</li> <li>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;</li> <li>Standards used in electronic business: XML, XML Schema, ebXML, UBL, RSS, RDF, OWL. Solutions for electronic business through Web Services - SOAP, UDDI, WSDL;</li> <li>The security and audit of electronic business;</li> <li>Citizen oriented informatics applications – <b>COIA</b>, the development cycle. Content management in the digital economy. Cost and value in the knowledge oriented digital economy.</li> </ul>					
Type of assessment (E – exam, A – continuous assessment, C – colloquium)						E
Assessment percentage	Final exam/assessment paper Projects/Essay(s) + attendance					50% 50%
Bibliography	<ul style="list-style-type: none"> <li>M. P Papazoglou, P. MA Ribbers, <i>E-Business: Organizational And Technical Foundations</i>, , J. Wiley, 2006</li> <li>Roșca Gh. Ion, Ghilic B., <i>Informatica</i>, Ed. Economică, București, 2006</li> <li>Năstase P., Stanciu V., s.a. <i>Auditul și controlul sistemelor informaționale</i>, Editura Economică, 2007</li> <li>Ion IVAN, Bogdan VINTILA - <i>Managementul aplicatiilor informatice orientate spre cetăean</i> , Economie teoretica si aplicata, vol. 17, nr. 4 / 2010 (542), pp. 45 - 69, ISSN 1844-0029</li> <li>Ion IVAN, Eugen DUMITRASCU, Nicolae-Iulian ENESCU, Gheorghe MARIAN - <i>Models of estimation, forecasting and computing</i> JABIS - <a href="http://www.jabis.ro">www.jabis.ro</a> Vol. 01, No.01, 2010, pp. 1 – 12.</li> <li>Ion IVAN, Leonard SACUIU, Daniel MIODIN, Mihai GEORGESCU - <i>The Development of Citizen Oriented Informatics</i>, Informatica Economica, vol. 14, nr. 4, 2010, pg. 183 - 195, ISSN 1453-1305</li> <li>Ion IVAN, Marius POPA, Dragos PALAGHITA, Bogdan VINTILA, Mihai DOINEA - <i>Particularitatele 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.</li> <li>Internet resources</li> </ul>					
Instructors	Position, title, first name, surname <b>Prof. Dr. Ion IVAN, Prof. Dr. Floarea NASTASE</b>					Signature
Legend: L – lecture; S – seminar; L/P – laboratory/project work.						