

# Syllabus

## 1. Program information

1.1. Institution	ACADEMY OF ECONOMIC STUDIES
1.2. Faculty	Economic Cybernetics, Statistics and Informatics
1.3. Departments	(Department) INFORMATICA SI CIBERNETICA ECONOMICA
1.4. Field of study	Economic Informatics
1.5. Cycle studies	Master Studies
1.6. Education type	Full-time
1.7. Study program	IT&C Security
1.8. Language study	
1.9. Academic year	2017-2018

## 2. Course information

2.1. Name	<b>IT&amp;C Audit</b>								
2.2. Code	<b>17.0241IF2.2-0003</b>								
2.3. Year of studies	<b>2</b>	2.4. Semester	<b>2</b>	2.5. Assessment type	<b>Exam</b>	2.6. Course type	<b>O</b>	2.7. Number of ECTS	<b>5</b>
2.8. Instructors									

## 3. Total estimated time

3.1. Number of weeks	14.00		
3.2. Number of hours per week	2.00	of which	
		C(C)	2.00
3.3. Total hours from curriculum	28.00	of which	
		C(C)	28.00
3.4. Total hours of study per semester (ECTS*25)	125.00		
3.5. Total hours of individual study	97.00		
<i>Time distribution for individual study</i>			
Study the textbook, course support, bibliography and notes			
Further reading in the library, on the online platforms and field			
Preparing seminars, labs, homework, portfolios and essays			
Tutoring			
Examinations			
Other activities			

## 4. Prerequisites

4.1. About curriculum	The course assumes no prior lectures from the curriculum.
4.2. About skills	The course assumes no prior competences.

## 5. Requirements

C(C)	Course lectures take place in rooms with multimedia teaching equipment.
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## 6. Skills covered

	C2	Using modern computer technology for risk management in life cycle stages of software systems
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	CT1	Applying the rules and values of professional ethics for decision making and independent or team implementation of complex tasks / objectives at work

## 7. Course objectives

7.1. General objective	Aquiring the concept of informatic applications security testing , both in development and functioning phase.
7.2. Specific objectives	Aplicarea standardelor existente in materie de audit si in special al ISO 27001.

## 8. Course contents

8.1. C(C)		Teaching methods	Advices
1	1. Browsing and analysing the source code		
2	2. Testing methods and techniques		
3	3. Building models and establishing the auditing limits		
4	4. Internal and external vulnerability evaluation		
5	5. Content of the audit raports and questionnaire		
6	6. Specifications audit		
7	7. Informatic system project audit		
8	8. Texts audit		
9	9. Data audit		
10	10. Accreditation of service providers by a trusted third party;		
11	11. The audit standards and assessment of security hardware and software security.		

### ***Bibliography***

- Ion IVAN, Gheorghe NOSCA, Sergiu CAPISIZU , Auditul sistemelor informatice, ASE, 2005
- Ion IVAN, Cătălin BOJA, Managementul calității proiectelor TIC, ASE, 2005
- Rick D. Craig and Stefan P. Jaskiel, Systematic Software Testing, Artech House , 2002
- Ion IVAN, Paul POCATILU, Testare software orientată obiect, INFOREC, 1999

## 9. Course contents corroboration with the demands of epistemic community representatives, professional associations and representative employers

Taking into account the best practices from IT&C field applied by big companies such as: Intel, Oracle, Microsoft, IBM, HP and professional consortiums such as: Apache, Red Hat, ISO/IEC.
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**10. Assessment**

Activity	Assessment criteria	Assessment methods	Percentage in the final grade
10.1. C(C)		Applied activities, practical or project certificates/laboratory/tests, tests during the module, auditing tests	40.00
10.2. Final assessment		Final examination	60.00
10.3. Grading scale	Whole notes 1-10		
10.4. Minimum performance standard	Knowledge required: implementation of the audit procedure. The point granted by default is included in the weights assigned to the types of assessments.		

Completion date,  
07/10/2016

Instructors,

Approval date of department

Director of department,