Syllabus

1. Program information

1.1. Institution	ACADEMY OF ECONOMIC STUDIES
1.2. Faculty	Business Administration in Foreign Languages
1.3. Departments	Business Administration
1.4. Field of study	Business Administration
1.5. Cycle studies	Master Studies
1.6. Education type	Full-time
1.7. Study program	Entrepreneurship and Business Administration in Energy
1.8. Language study	English
1.9. Academic year	2016-2017

2. Course information

2.1. Name	**Information Systems in the Energy Sector**								
2.2. Code	**16.0252IF1.2-0003**								
2.3. Year of studies	**1**	2.4. Semester	**2**	2.5. Assessment type	**Test**	2.6. Course type	**O**	2.7. Number of ECTS	**6**
2.8. Instructors	C(C)	**conf.univ.dr. FRĂŢILĂ C LAURENŢIU - CĂTĂLIN**		REFERATEINFO@YAHOO.COM					

3. Total estimated time

3.1. Number of weeks	14.00		
3.2. Number of hours per week	3.00	of which	
		C(C)	2.00
		S(S)	1.00
3.3. Total hours from curriculum	42.00	of which	
		C(C)	28.00
		S(S)	14.00
3.4. Total hours of study per semester (ECTS*25)	150.00		
3.5. Total hours of individual study	108.00		
Time distribution for individual study			
Study the textbook, course support, bibliography and notes	40.00		
Further reading in the library, on the online platforms and field	32.00		
Preparing seminars, labs, homework, portfolios and essays	32.00		
Tutoring	1.00		
Examinations	1.00		
Other activities	2.00		

4. Prerequisites

4.1. About curriculum	Entrepreneurship and business development in the energy
4.2. About skills	

5. Requirements

C(C)	Lectures are conducted in rooms equipped with projector and Internet access.
S(S)	Seminars are conducted in rooms equipped with computers.

6. Skills covered

	C6	The innovative use of information technology in applying the project management specific methods, techniques and instruments

7. Course objectives

7.1. General objective	Acquiring of knowledge and practical skills necessary for the analysis and development of informational systems in the energy field.
7.2. Specific objectives	Learning methodologies of analysis, realises and projection of informational systems in energy

8. Course contents

8.1. C(C)		Teaching methods	Advices
1	Introductory: Objectives of the discipline and skills gained as a result of learning, accurate of work methods and tools, of data sources, and the requirements and standards of formative assessment during the study and final evaluation.		
2	Managerial vision of information system. The life cycle of information systems.		
3	Informatic products used within the energy sector.		
4	Elements of the analysis and design of information systems.		
5	Systemic design methods of informational systems.		
6	Systemic design methods of informational systems.		
7	CASE tools used in the design of informational systems.		
8	Audit of information systems.		
9	The economic efficiency of information systems.		

Bibliography

- Năstase P. şi colectiv , Auditul şi controlul sistemelor informaţionale, Ed. Economica, 2007
- Fratila L , Proiectarea sistemelor informatice, Editura Infomega, 2007
- Fratila L, Sisteme informatice financiar-monetare – Aplicatii, Editura Infomega, 2006
- Legislatia nationala in domeniul energiei.

8.2. S(S)		Teaching methods	Advices
1		Presentation.	
2	Establishment of project topics.	Presentation. Discussion with students.	
3	Presentation of an informational system used in energy	Case study Use of software for management of the systems informational energy.	
4	Verification of the stages of projection for individual projects.	Case studies	
5	Presentation of three projects made by students.	Case studies	
6	Evaluation projects		Public presentation of projects

Bibliography

- Năstase P. şi colectiv , Auditul şi controlul sistemelor informaţionale, Ed. Economica, 2007
- Fratila L , Proiectarea sistemelor informatice, Editura Infomega, 2007
- Fratila L , Sisteme informatice financiar-monetare – Aplicatii, Editura Infomega, 2006
- Legislatia nationala in domeniul energiei.

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

Discussing the content of discipline and with energy specialists and with representatives of software companies.

10. Assessment

Activity	Assessment criteria	Assessment methods	Percentage in the final grade
10.1. C(C)	Involvement in the lecture with questions, comments, examples of analysis.	Record the frequency and solidarity of interaction in the classroom .	10.00
10.2. S(S)	Involvement in the preparation and discussion of issues	Record the frequency and solidarity of interaction in the seminar. The quality of results at solving case studies and individual project	40.00
10.3. Final assessment	Examination	Written examination	50.00
10.4. Grading scale	Whole notes 1-10		
10.5. Minimum performance standard	Develop an individual project including designing an information system for a specific activity energy sector.		

Completion date,
11/20/2017

Instructors,

Approval date of department

Director of department,