

Syllabus

1. Programme information

1.1. Institution	THE BUCHAREST UNIVERSITY 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 of studies	Master Studies
1.6. Education type	Full-time
1.7. Study programme	Entrepreneurship and Business Administration in Energy
1.8. Language of study	English
1.9. Academic year	2016-2017

2. Information on the discipline

2.1. Name	Information Systems in the Energy Sector								
2.2. Code	16.0252IF1.2-0003								
2.3. Year of study	1	2.4. Semester	2	2.5. Type of assessment	Test	2.6. Status of the discipline	O	2.7. Number of ECTS credits	6
2.8. Leaders	C(C)	conf.univ.dr. FRĂȚILĂ C LAURENȚIU - CĂTĂLIN				REFERATEINFO@YAHOO.COM			

3. Estimated Total 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
<i>Distribution of time for individual study</i>	
Study by the textbook, lecture notes, bibliography and student's own notes	40.00
Additional documentation in the library, on specialized online platforms and in the field	32.00
Preparation of seminars, labs, assignments, portfolios and essays	32.00
Tutorials	1.00
Examinations	1.00
Other activities	2.00

4. Prerequisites

4.1. of curriculum	Entrepreneurship and business development in the energy
4.2. of competences	

5. Conditions

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

6. Acquired specific competences

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

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. Contents

8.1. C(C)		Teaching/Work methods	Recommendations for students
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. și colectiv , Auditul și controlul sistemelor informaționale, Ed. Economica, 2007
- Fratila L , Proiectarea sistemelor informatice, Editura Infomega, 2007
- Fratila L, Sisteme informatice financiar-monetare – Aplicații, Editura Infomega, 2006
- Legislatia nationala in domeniul energiei.

8.2. S(S)		Teaching/Work methods	Recommendations for students
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. și colectiv , Auditul și controlul sistemelor informaționale, Ed. Economica, 2007
- Fratila L , Proiectarea sistemelor informatice, Editura Infomega, 2007
- Fratila L , Sisteme informatice financiar-monetare – Aplicații, Editura Infomega, 2006
- Legislatia nationala in domeniul energiei.

9. Corroboration of the contents of the discipline with the expectations of the representatives of the epistemic community, of the professional associations and representative employers in the field associated with the programme

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

10. Assessment

Type of 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. Modality of grading	Whole notes 1-10		
10.5. Minimum standard of performance	Develop an individual project including designing an information system for a specific activity energy sector.		

Date of listing,
05/25/2018

Signature of the discipline leaders,

Date of approval in the
department

Signature of the Department Director,