

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	Energy Efficiency									
2.2. Code	16.0252IF1.1-0004									
2.3. Year of studies	1	2.4. Semester	1	2.5. Assessment type	Test	2.6. Course type	O	2.7. Number of ECTS	6	
2.8. Instructors	C(C)	Asociat dr. IANCU IULIAN					iiulian.2007@yahoo.com			
	S(S)	Asociat dr. CÎRLEA Filip					filip_carlea@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		
<i>Time distribution for individual study</i>			
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	
4.2. About skills	

5. Requirements

C(C)	Classroom with computer and project.
S(S)	Classroom with computer and project.

6. Skills covered

	C1	The identification, intense analysis, interpretation and development of the concepts in the field of business administration in energy
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7. Course objectives

7.1. General objective	Developing strategic thinking in taking competitive advantage of energy efficiency
7.2. Specific objectives	<ul style="list-style-type: none"> - Revealing the role and the economic importance of energy efficiency - Exploitation economic potential of energy efficiency; - Fundamental skills and dynamic capabilities in energy efficiency

8. Course contents

8.1. C(C)		Teaching methods	Advices
1	The economic efficiency. Specific fundamental concept	Interactive methods using media	
2	Conceptual development and methodologies for increase energy efficiency	Interactive methods using media	
3	Objectives for energy politics in the medium term and medium term	Interactive methods using media	
4	The role of business competitive environment for increase energy efficiency	Interactive methods using media	
5	Functional strategies for supply and efficient utilisation of energy sources	Interactive methods using media	
6	Financial strategy; strategy in energy production	Interactive methods using media	
7	Legislative and institutional development to increase energy efficiency		

Bibliography

- Riva G., Foppapedretti E., C. de Carolis, E. Giakoumelos, Ch. Malamatenios, P. Signanini, C. Giancarlo, M Di Fazio, J. Gajdos, R. Rucinsky, Sursele regenerabile de energie – Manual ENER-SUPPLY Eficiența energetică și Energii regenerabile – Politici suport pentru energie la nivel local, București, 2012
- Vlasceanu S, “Efectele concurenței asupra liberalizării pieței de energie într-o economie în tranziție”, teză de doctorat, coord. șt. Leca A, Universitatea Politehnică, , București, 2012
- Platon V., Dinamica schimbărilor de climă. Scenarii pe diferite orizonturi de timp și rolul României. Politici de adaptare și reducere a efectelor, exemplul Germaniei, Institutul de Economie Națională, Școala doctorală Academia Română (doc. digital), , București,, 2012
- Alex Morales, "Wind Power Market Rose to 41 Gigawatts in 2011, Led by China", Bloomberg, 2012
- Kevin Bullis, "In the Developing World, Solar Is Cheaper than Fossil Fuels", Technology Review, 2012
- Săndulescu A., Contribuții privind dezvoltarea piețe concurențiale de energie electrică, teză de doctorat, cond. șt. Leca A, U.P. , București, 2012
- Mănicuță M., Contribuții privind impactul modelelor de reglementare asupra funcționării piețelor liberalizate de energie, teză de doctorat, cond. șt. Leca A, U.P. , București, 2012
- Brown L. R., Planul B 4.0 Mobilizarea generală pentru salvarea civilizației, Academia Română, Centrul Român de Ec. Comparată și Consens, Ed. Expert, București, 2011
- Purica, I.; Hera Cr., Nonlinear approach to crisis and conflict - Potential and limits of renewable energy sources, Ed. Expert, 2011
- Steve Leone, "U.N. Secretary-General: Renewables Can End Energy Poverty"., Renewable Energy World, 2011

8.2. S(S)		Teaching methods	Advices
1	The economic efficiency, fundamental concept - case studies	Interactive methods using media and case studies	
2	Comparative models for energy efficiency - case studies	Interactive methods using media and case studies	
3	Objectives for energy politics - case studies	Interactive methods using media and case studies	
4	Fundamental skills and particularity of energy efficiency - case studies	Interactive methods using media and case studies	
5	Strategy models of energy efficiency- case studies	Interactive methods using media and case studies	
6	Financial strategy, for production, consumption and personal - case studies	Interactive methods using media and case studies	
7	Hybrid strategies for energy efficiency - case studies	Interactive methods using media and case studies	
8	Portfolio analysis in energy-case studies	Interactive methods using media and case studies	
9	Implementing energy efficiency strategies - case studies	Interactive methods using media and case studies	

Bibliography

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- Patrick Barkham, "Blown away", Guardian, London, 2011
- Hooper, Craig , "Air Force cedes the Green lead—and the lede—to Navy", 2011, nextnavy.com
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- Lovins, Amory B. Reinventing Fire, Bold Business Solutions for the New Energy Era, Chelsea Green Publishing, 2011
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- Lars Kroldrup, Gains in Global Wind Capacity Reported Green Inc., 2010
- Georgescu-Roegen Nicholas, • Georgescu-Roegen Nicholas, Ed. Expert, București, 2010

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

The contents of the discipline was correlated with the requirements of the business environment in Romania, through a series of meetings and professional debates.

10. Assessment

Activity	Assessment criteria	Assessment methods	Percentage in the final grade
10.1. C(C)	Summative evaluation	Written examination	60.00
10.2. S(S)	Progressive evaluation	Case studies, homework	40.00
10.3. Final assessment			
10.4. Grading scale	Whole notes 1-10		
10.5. Minimum performance standard	50%		

Completion date,

11/20/2017

Instructors,

Approval date of department

Director of department,