

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	2017-2018

2. Course information

2.1. Name	Assessing the Potential of Renewable Resources								
2.2. Code	17.0252IF2.1-0005								
2.3. Year of studies	2	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)	prof.univ.dr. TANȚĂU Adrian Dumitru					adrian.tantau@fabiz.ase.ro		

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	Renewable energy and climate change
4.2. About skills	

5. Requirements

C(C)	Classroom with computer and projector
S(S)	Classroom with computer and projector

6. Skills covered

	C4	Complex development and customization of financial and risk management techniques and instruments in energy business
--	----	--

7. Course objectives

7.1. General objective	Developing strategic thinking for evaluating the potential of renewable energy sources.
7.2. Specific objectives	<ul style="list-style-type: none"> - estimating the role and the importance economic of the renewable sources of energy; - adoption of the decisions on the introduction into the economic circuit of renewables, namely environmental protection and conservation; - development of basic skills and dynamic capabilities to exploit renewable energy sources.

8. Course contents

8.1. C(C)		Teaching methods	Advices
1	Introduction. Fundamental concepts	Interactive methods using media	
2	Conceptual Development and methodologies to attract in the economic cycle the renewable sources	Interactive methods using media	
3	The role of the competitive environment for harnessing of sources potential of the energy	Interactive methods using media	
4	Methods for estimating the classic energy resources	Interactive methods using media	
5	Methods for estimating the renewable energy resources	Interactive methods using media	
6	Analysis of the business environment and the energy chain	Interactive methods using media	
7	Functional strategies of supply and of use of renewable sources of energy	Interactive methods using media	
8	Legislative and institutional development in the exploitation of renewable energy sources	Interactive methods using media	

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
- Nicula V., Avantaje economice și de mediu ale energiilor regenerabile, teză de doctorat, cond. șt. Constantin Ciutacu, INCE, București, 2012
- 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
- Simon Gourlay, "Wind farms are not only beautiful, they're absolutely necessary", The Guardian, 2012, Marea Britanie

8.2. S(S)		Teaching methods	Advices
1	Fundamental concepts	Methods using interactive media and case studies	
2	Conceptual Development and methodologies to attract in the economic cycle the renewable sources	Methods using interactive media and case studies	
3	The role of the competitive environment for harnessing of sources potential of the energy	Methods using interactive media and case studies	
4	Methods for estimating the classic energy resources	Methods using interactive media and case studies	
5	Methods for estimating the renewable energy resources	Methods using interactive media and case studies	
6	Analysis of the business environment and the energy chain	Methods using interactive media and case studies	
7	Functional strategies of supply and of use of renewable sources of energy	Methods using interactive media and case studies	
8	Legislative and institutional development in the exploitation of renewable energy sources	Methods using interactive media and case studies	

Bibliography

- Ben Sills, "Solar May Produce Most of World's Power by 2060, IEA Says", Bloomberg, 2011
- Steve Leone, "Billionaire Buffett Bets on Solar Energy", Renewable Energy World, 2011
- David Beattie, "Wind Power: China Picks Up Pace", Renewable Energy World, 2011
- Wald, Matthew L., "China's Galloping Wind Market", The New York Times, 2011
- Patrick Barkham, "Blown away", Guardian, 2011
- Hooper, Craig. , "Air Force cedes the Green lead—and the lede—to Navy", 2011, nextnavy.com
- Mark Tran. , "UN calls for universal access to renewable energy", The Guardian , 2011
- Lovins, Amory B., Reinventing Fire: Bold Business Solutions for the New Energy Era, Chelsea Green Publishing, 2011
- Steven Mufson, Solar power project in Mojave Desert gets \$1.4 billion boost from stimulus funds, Washington Post, 2010
- Lars Kroldrup, Gains in Global Wind Capacity Reported Green Inc., 2010
- Georgescu-Roegen Nicholas, Opere complete,. VII Epistemologia roegeniană, coord. Iancu A., 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,

09/20/2017

Instructors,

Approval date of department

Director of department,