

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	Renewable energy and climate change								
2.2. Code	16.0252IF1.1-0003								
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)	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	
4.2. About skills	

5. Requirements

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

6. Skills covered

	C2	Critical – constructive research, generation, projecting and the implementation of ideas and business processes in the energy field
--	----	---

7. Course objectives

7.1. General objective	The development of systemic thinking to assess opportunities and developing business ideas in renewable energy with a positive impact on climate change
7.2. Specific objectives	Developing entrepreneurial thinking based on innovations in renewable energy The design of research projects and renewable energy professional with consideration of environmental impact

8. Course contents

8.1. C(C)		Teaching methods	Advices
1	Energy sources renewable	Interactive methods using multimedia	
2	Using solar energy. Ecological and economic analysis	Interactive methods using multimedia	
3	Photovoltaic energy. Ecological and economic analysis	Interactive methods using multimedia	
4	The use of wind energy. Ecological and economic analysis	Interactive methods using multimedia	
5	Hydro energy. Ecological and economic analysis	Interactive methods using multimedia	
6	Energy from biomass. Ecological and economic analysis	Interactive methods using multimedia	
7	Evolution of renewable energy in the energy market	Interactive methods using multimedia	
8	Technologies for renewable energy	Interactive methods using multimedia	
9	Commercialization emissions	Interactive methods using multimedia	
10	Trends in renewable energy production in Europe	Interactive methods using multimedia	

Bibliography

- Hesselbach J. , Energie- und klimaeffiziente Produktion, Springer, Wiesbaden, 2012
- Kuemmerle, W. , Case Studies in International Entrepreneurship. Managing and Financing Ventures in the Global Economy, McGraw-Hill Irwin, 2005
- Jenssen T. , Einsatz der Bioenergie in Abhängigkeit von der Raum- und Siedlungsstruktur, , Vieweg&Teubner, Wiesbaden, 2010
- Tanțău A, Entrepreneurship. Gândește inovator și pragmatic, C.H. Beck, 2011
- Zichy M., Dürnberger C., Formowitz B., Uhl A, Energie aus Biomasse,, Vieweg&Teubner, Wiesbaden, 2011

8.2. S(S)		Teaching methods	Advices
1	Energy sources renewable		
2	Using solar energy. Ecological and economic analysis		
3	Photovoltaic energy. Ecological and economic analysis		
4	The use of wind energy. Ecological and economic analysis		
5	Hydro energy. Ecological and economic analysis		
6	Energy from biomass. Ecological and economic analysis		
7	Evolution of renewable energy in the energy market		
8	Technologies for renewable energy		
9	Commercialization emissions		
10	Trends in renewable energy production in Europe		

Bibliography

- Hesselbach J. , Energie- und klimaeffiziente Produktion, Springer, Wiesbaden, 2012
- Kuemmerle, W. , Case Studies in International Entrepreneurship. Managing and Financing Ventures in the Global Economy, McGraw-Hill Irwin, 2005
- Jenssen T, Einsatz der Bioenergie in Abhängigkeit von der Raum- und Siedlungsstruktur, Vieweg&Teubner, Wiesbaden, 2010
- Tanțău A. , Entrepreneurship. Gândește inovator și pragmatic, C.H. Beck, 2011
- Zichy M., Dürnberger C., Formowitz B., Uhl A, Energie aus Biomasse, Vieweg&Teubner, Wiesbaden, 2011

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	50.00
10.2. S(S)	Progressive evaluation	Case studies, homework	50.00
10.3. Final assessment			
10.4. Grading scale	Whole notes 1-10		
10.5. Minimum performance standard	50%		

Completion date,
12/18/2017

Instructors,

Approval date of department

Director of department,