

# Syllabus

## 1. Programme information

1.1. Institution	THE BUCHAREST UNIVERSITY OF ECONOMIC STUDIES
1.2. Faculty	Business Administration in Foreign Languages
1.3. Departments	Department of Business Administration (UNESCO)
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	<b>Renewable energy and climate change</b>								
2.2. Code	<b>16.0252IF1.1-0003</b>								
2.3. Year of study	<b>1</b>	2.4. Semester	<b>1</b>	2.5. Type of assessment	<b>Test</b>	2.6. Status of the discipline	<b>O</b>	2.7. Number of ECTS credits	<b>6</b>
2.8. Leaders	C(C)	<b>prof.univ.dr. TANȚĂU Adrian Dumitru</b>				adrian.tantau@fabiz.ase.ro			

## 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	
4.2. of competences	

### 5. Conditions

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

### 6. Acquired specific competences

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

### 7. Objectives of the discipline

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. Contents

8.1. C(C)		Teaching/Work methods	Recommendations for students
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/Work methods	Recommendations for students
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. 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**

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**

Type of 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. Modality of grading	Whole notes 1-10		
10.5. Minimum standard of performance	50%		

Date of listing,  
07/22/2018

Signature of the discipline leaders,

Date of approval in the  
department

Signature of the Department Director,