

## SYLLABUS

### 1. Information about the program

1.1 Institution of higher education	„Babeş-Bolyai” University, Cluj-Napoca
1.2 Faculty	Geography
1.3 Department	Physical and Technical Geography
1.4 Study area	Geography
1.5 Level of study	Master
1.6 Program of study	Evaluarea și gestiunea Hazardelor și Riscurilor Geografice / Assessment and management of Geographical Hazards and Risks

### 2. Information about the course

2.1 Title of the course	<b>CLIMATE CHANGE AND ENVIRONMENTAL SECURITY</b>						
2.2 Course taught by:	Dr. Blanka BARTOK, Associate Professor						
2.3 Seminar by:	Dr. Blanka BARTOK, Associate Professor						
2.4 Year of study	<b>II</b>	2.5 Semester	<b>IV</b>	2.6 Method of assessment	<b>E</b>	2.7 Type of course	<b>RQ</b>

### 3. Time allocation (hours per semester of pedagogical activities)

3.1 Hours per week	3	of which: 3.2 course	1	3.3 seminar	2
3.4 Total hours – semester	42	of which: 3.5 course	14	3.6 seminar	28
Time allocation					hours
Study for exams					15
Additional documentation in the library, on the internet and in the field and working on the semester project and presentation					20
Reading for the seminar and writing the projects					40
Tutoring					5
Exam					3
Other activities					10
3.7 Total hours for individual study	<b>83</b>				
<b>3.8 Total hours per semester</b>	<b>42</b>				
3.9 Number of credits	<b>5</b>				

### 4. Prerequisites (if any)

4.1 curriculum-related	-
4.2 competence-related	- knowledge regarding elements, processes and phenomena that define the natural or anthropized geographical environment

## 5. Other requirements (if any)

5.1 for the course	<ul style="list-style-type: none"> <li>Classroom with desktop/laptop, projector and power point software, access to internet.</li> </ul>
5.2 for the seminar	<ul style="list-style-type: none"> <li>Computer room, Internet connection</li> </ul>

## 6. Competencies

<b>Generic competencies</b>	<ul style="list-style-type: none"> <li>defining and describing the main processes and geographical phenomena of risk, explaining their genesis and evolution, evaluating the consequences they have on natural and anthropogenic geographical systems.</li> <li>capitalizing on the results obtained from analysis and projects</li> </ul>
<b>Specific competencies</b>	<ul style="list-style-type: none"> <li>elaborating case studies</li> <li>interpreting documents in a foreign language</li> </ul>

## 7. Course objectives

7.1 General goals	<ul style="list-style-type: none"> <li>knowledge of the main processes and risk phenomena related to climate change and their impact on the environment and socio-human activity</li> </ul>
7.2 Specific objectives	<ul style="list-style-type: none"> <li>the proper interpretation of the theoretical notions regarding environmental security and climate change</li> </ul>

## 8. Outline

8.1 Course	Teaching method(s)	Observations
1. The concept of environmental security - 2 hours 2. Securitizing Climate Change - 4 hours 3. Climate change and collapse of civilizations - 2 hours 4. Climate and Conflicts: natural disasters, human security and migrations - 4 hours 5. Climate and Conflicts: resource scarcity (biodiversity losses; land degradation; deforestation; water pollution and scarcity; coastal and marine degradation) - 6 hours 6. Climate and Conflicts: Energy needs. Prospects for Renewable Energy. Toward Carbon Neutrality. - 6 hours 7. Governance and Policy - 4 hours	Demonstration, explication	
<b>Bibliography</b>		

1. Barnett, J. (2001) *The Meaning of Environmental Security* (London: Zed)
2. J. Barnett (2009), *Environmental Security*, In *International Encyclopedia of Human Geography*, Elsevier, Pages 553-557
3. Elisabeth Lio Rosvold (2021) *Security implications of climate change: The climate-conflict nexus*, In *The Impacts of Climate Change*, Editor(s): Trevor M. Letcher, Elsevier, Pages 465-478, ISBN 9780128223734, <https://doi.org/10.1016/B978-0-12-822373-4.00015-X>.
4. Fereidoon P. Sioshansi eds. (2011): *Energy, Sustainability and the Environment*, Elsevier
5. Simon Dalby (2017): *Environmental Security and Climate Change*, *International Studies*, Oxford University Press
6. IPCC, 2014: *Climate Change 2014: Synthesis Report. Contribution of Working Groups II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change* [Core Writing Team, R.K. Pachauri and L.A. Meyer (eds.)]. IPCC, Geneva, Switzerland

8.2 Seminar	Teaching method(s)	Observations
<ol style="list-style-type: none"> <li>1. Case study: floods and migration</li> <li>2. Case study: droughts and agriculture</li> <li>3. Case study: biodiversity losses</li> <li>4. Case study: water pollution and scarcity</li> <li>5. Case study: deforestation</li> <li>6. Case study: renewable energy applications</li> <li>7. Case study: Security risks and conflict reduction in Africa</li> </ol>	Interactive debate	

#### Bibliography

1. IPCC, 2014: *Climate Change 2014: Synthesis Report. Contribution of Working Groups II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change* [Core Writing Team, R.K. Pachauri and L.A. Meyer (eds.)]. IPCC, Geneva, Switzerland
2. Charlène Cabot (2017): *Climate Change, Security Risks and Conflict Reduction in Africa*, Springer

### 9. Corroborating the content of the discipline with the expectations of the epistemic community, professional associations and representative employers within the field of the program

The content of the discipline is in line with the programs of other university centers in the country and abroad.

### 10. Assessment and evaluation

Type of activity	10.1 Criteria for assessment	10.2 Method of assessment	10.3 Percent of final grade
10.1 Course	<ul style="list-style-type: none"> <li>- verification of use of the acquired notions</li> <li>- argumentation</li> </ul>	Final exam	80

10.2 Seminar	- ability to implement the knowledge in practice;	Attendance and active participation	30
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Date

Signature course lecturer

Signature seminar instructor

24.11.2021

*Bester*

*Bester*

Date of departmental approval

Signature department chair

29.11.2021

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