

BACHELOR 'S PROGRAMME
3RD YEAR OF STUDY, 1ST SEMESTER

COURSE TITLE	ENVIRONMENTAL GEOGRAPHY
COURSE CODE	JT3502
COURSE TYPE	full attendance/ tutorial
COURSE LEVEL	1 st cycle (bachelor's degree)
YEAR OF STUDY, SEMESTER	3 rd year of study, 1 st semester
NUMBER OF ECTS CREDITS	5
NUMBER OF HOURS PER WEEK	4 (2 lecture hours + 2 seminar hours)
NAME OF LECTURE HOLDER	Lecturer Adrian URSU
NAME OF SEMINAR HOLDER	Lecturer Adrian URSU
PREREQUISITES	Advanced level of English
A	GENERAL AND COURSE-SPECIFIC COMPETENCES
	<p>General competences:</p> <ul style="list-style-type: none"> → Acquiring the adequate professional and transversal competencies, according to the specific requirements of the subject and the qualifications listed in the National Index of Higher Education Qualifications (RNCIS) for Geography of Tourism <p>Course-specific competences:</p> <ul style="list-style-type: none"> → Understand integrally the elements of the interaction between nature and society → Describe the main notions and concepts specific to the domain (systemic, interaction, organization);
B	LEARNING OUTCOMES
	<ul style="list-style-type: none"> → Use modern computing and cartography techniques to analyze different phenomena and processes with environmental impact; → Analyze environmental phenomena and processes in a given territory by applying the specific investigation, interpretation and evaluation algorithms; → Elaborate studies, including cartographic materials, that can serve as support in sustainable development planning
C	LECTURE CONTENT
	<p>Introductory notions General concepts of systems Geosystem Structure, Abiotic System Geosystem Structure, Biotic System Geosystem structure, Social-economic system Movement in the Geosystem, Transfer and movements of matter, energy, information, Freedom of movement in geosystems, Continuity, threshold, discontinuity Movement in the Geosystem. Functional imbalance, dynamic balance, Risk, hazard, dysfunctional degradation, degradation, Functionality, self-regulation Levels of organization in the geosystem. Spatial entities resulting from functional hierarchies Geosystems and Time Quality of the geosystem, Quality concept for systemic structures, Geosystem quality, Geosystem crisis phenomena, Mechanisms and forms of redirection directed Geosystem Control Protection and conservation of the geosystem, Concepts, motivations, factors involved in protection and conservation, Organization of protection and conservation Legislation and Environmental Education</p>
D	RECOMMENDED READING FOR LECTURES
	<ol style="list-style-type: none"> 1. De Groot W. T. (1992) – Environmental science theory, Elsevier Publ. H. 2. Ungureanu Irina (2002) - “Geografia mediului”, Universitatea “ Al.I. Cuza”, Iași. 3. Durand D. (1990) – La systématique, Presses Univ. de France, Paris 4. Brown L. (1990-2004) - Starea lumii, Ed. Tehnică, București. 5. Ionescu A., Săhleanu V., Bîndiu C. (1989) –Protecția mediului înconjurător și educația ecologică, Ed. Ceres, București. 6. Young P. C. (1993) – Concise encyclopaedia of environmental systems, Pergamon Press
E	SEMINAR CONTENT
	<p>Labor safety rules In-depth and interactive explanation of systems theory Creating an individual project aimed at applying systemic notions to a natural system of choice Presentation of environmental issues related to the exploitation of lithosphere resources</p>

	<p>Debate on conventional energies and unconventional energies Environmental problems related to seas and oceans Environmental issues on continental waters(rivers and lakes) Climate Change and Ozone Layer Conventional Agriculture versus Biological Agriculture The anthropic impact on the relief Endangered species Bioinvasions Final assessment of the activity in the practical work, based on the materials prepared during the semester</p>
F	RECOMMENDED READING FOR SEMINARS
	<ol style="list-style-type: none"> 1. De Groot W. T. (1992) – Environmental science theory, Elsevier Publ. H. 2. Ungureanu Irina (2002) - “Geografia mediului”, Universitatea “ Al.I. Cuza”, Iași. 3. Durand D. (1990) – La systématique, Presses Univ. de France, Paris 4. Brown L. (1990-2004) - Starea lumii, Ed. Tehnică, București. 5. Ionescu A., Săhleanu V., Bîndiu C. (1989) –Protecția mediului înconjurător și educația ecologică, Ed. Ceres, București. 6. Young P. C. (1993) – Concise encyclopaedia of environmental systems, Pergamon Press.
G	EDUCATION STYLE
LEARNING AND TEACHING METHODS	Lecture, didactic explanation, heuristic conversation, problem, demonstration, modeling and cartographic representation
ASSESSMENT METHODS	Examination + Seminar Grades
LANGUAGE OF INSTRUCTION	English