

BACHELOR 'S PROGRAMME
2nd YEAR OF STUDY, 2nd SEMESTER

COURSE TITLE	FOREIGN LANGUAGE - ENGLISH
COURSE CODE	
COURSE TYPE	full attendance
COURSE LEVEL	1 st cycle (bachelor's degree)
YEAR OF STUDY, SEMESTER	2 nd year of study, 2 nd semester
NUMBER OF ECTS CREDITS	4
NUMBER OF HOURS PER WEEK	2 (1 lecture hours + 1 seminar hours)
NAME OF LECTURE HOLDER	Andi Săsâiac, PhD
NAME OF SEMINAR HOLDER	Andi Săsâiac, PhD
PREREQUISITES	Advanced level of English
A	GENERAL AND COURSE-SPECIFIC COMPETENCES
	<p>General competences:</p> <ul style="list-style-type: none"> → Achievement of professional tasks efficiently and responsibly, in compliance with the field-specific deontology legislation, with qualified assistance. → Application of efficient work techniques in a multi-disciplinary team, on various hierarchical levels. Realization of a project/ team activity and identification of specific professional roles → Effective use of information sources and communication resources and assisted professional training, both in Romanian and in a foreign language. Elaboration, drafting and presentation in Romanian and/ or in a language of international circulation of a specialty work on a current topic in the field. <p>Course-specific competences:</p> <ul style="list-style-type: none"> → Proper use in professional communication of the terminology specific to Physics but also to related domains (especially Mathematics) → Critical assessment of a scientific communication, a paper/specialty report with a reduced degree of difficulty. → Drafting and presenting scientific reports in the field of Physics by using of new media technologies for communication. → Responsible performing independent work tasks and interdisciplinary approach of topics. → Making connections between knowledge of Physics and of other domains (Chemistry, Biology, Informatics, etc.).
B	LEARNING OUTCOMES
	<p>After successfully finalizing the discipline, students will be able to :</p> <ul style="list-style-type: none"> • Prove understanding and proper use of lexical and grammatical structures, orally and in writing • Read and prove, through comprehension exercises, the understanding of text and speech dealing both with general topics and Physics-related topics • Demonstrate, through free speech and writing, the accumulation and consolidation of contemporary English vocabulary • Present scientific facts and social, everyday life realities orally • Adequately articulate, in writing, texts on complex, specialized topics • Demonstrate the capacity of using terminology from the field of Physics properly
C	LECTURE CONTENT
	<ul style="list-style-type: none"> • Quantum Theory • Listening, reading comprehension • Reflections on pure and applied sciences; • Economy explained through Physics: • 'Thermodynamic Roots of Economics' – short text reading comprehension • Scientific terminology as a rhetorical device: • Physics and pop culture • Scientific terminology as a rhetorical device: • Physics and fiction • Scientific terminology as a rhetorical device: • Physics and poetry • Physics Questions • Revision
D	RECOMMENDED READING FOR LECTURES
	<ol style="list-style-type: none"> 1. Huyen, Ho, English for Students of Physics vol.2, Hanoi, 2007 2. Huxley, Aldous, Brave New World, Harper Perennial, 2006

	<ol style="list-style-type: none"> 3. Simon Singh, "Katie Melua's bad science", The Guardian, 30.09.2005, retrieved from https://www.theguardian.com/education/2005/sep/30/highereducation.uk 4. Kathryn Jepsen, "Physics love poems", Symmetry Magazine – dimensions of particle physics, 14.02.2017, retrieved from https://www.symmetrymagazine.org/article/physics-love-poems 5. Herman Daly, 'Thermodynamic Roots of Economics', CASSE, 7.11.2010, retrieved from https://steadystate.org/thermodynamic-roots/ 6. Dănilă, Viorica, Engleza pentru ingineri și tehnicieni, Editura tehnică, București, 1967
E	SEMINAR CONTENT
	<ul style="list-style-type: none"> • Quantum theory • Comprehension exercises - writing • Is engineering a science? • Speaking and writing on given topic • Physics terminology in popular songs • Listening, speaking, creative writing • Scientific terminology in works of fiction. • Reading, speaking, creative writing • Physics terminology in haiku and other poems • Reading, speaking, creative writing • Physics questions • Fun Physics – trivia quizzes • Assessment
F	RECOMMENDED READING FOR SEMINARS
	<ol style="list-style-type: none"> 1. Huyen, Ho, English for Students of Physics vol.2, Hanoi, 2007 2. Huxley, Aldous, Brave New World, Harper Perennial, 2006 3. Simon Singh, "Katie Melua's bad science", The Guardian, 30.09.2005, retrieved from https://www.theguardian.com/education/2005/sep/30/highereducation.uk 4. Kathryn Jepsen, "Physics love poems", Symmetry Magazine – dimensions of particle physics, 14.02.2017, retrieved from https://www.symmetrymagazine.org/article/physics-love-poems 5. Dănilă, Viorica, Engleza pentru ingineri și tehnicieni, Editura tehnică, București, 1967 6. Gavrilas, Mariana, Ludmila Andreescu, Dictionar de fizică englez-român, Ed. tehnică, 1981
G	EDUCATION STYLE
LEARNING AND TEACHING METHODS	Presentation. Interactive course
ASSESSMENT METHODS	<ul style="list-style-type: none"> • Assessment during in-class activities • Oral presentation
LANGUAGE OF INSTRUCTION	English