BACHELOR 'S PROGRAMME 1st YEAR OF STUDY, 2nd SEMESTER

COURSE TITLE	LABORATORY TRAINING	
COURSE CODE		
COURSE TYPE	full attendance	
COURSE LEVEL	1 st cycle (bachelor's degree)	
YEAR OF STUDY, SEMESTER	1 st year of study, 2 nd semester	
NUMBER OF ECTS CREDITS	5	
NUMBER OF HOURS PER WEEK	4	
NAME OF LECTURE HOLDER	Assist. PhD Leontin Padurariu	
NAME OF SEMINAR HOLDER	-	
Prerequisites	Advanced level of English language	
A GENERAL AND COURSE-SPECI	FIC COMPETENCES	
General competences:	General competences:	
→ Achievement of pro	→ Achievement of professional tasks efficiently and responsibly, in compliance with the field-specific	
deontology legislati	deontology legislation, with qualified assistance.	
	ent work techniques in a multi-disciplinary team, on various hierarchical levels.	
	formation sources and communication resources and assisted professional	
	nanian and in a foreign language.	
Course-specific competen		
	ics knowledge in given situations in related fields, as well as in experiments,	
	using standard laboratory equipment.	
	B LEARNING OUTCOMES → Presentation of the laboratories of the Faculty of Physics.	
	nain research fields in Faculty of Physics and laboratory activities.	
	e main theoretical and applicative aspects of standard laboratory and	
research equipmen		
	e main modeling / simulation techniques in physics.	
	skills with currently used Office programs: Word, Excel, PowerPoint, with the esentation of scientific information.	
C SEMINAR / LABORATORY CON		
	I safety at work. Knowledge of specific legislation. Protection training	
	peration of the didactic workshop. Technical documentation of a project	
	Presentation of the Theoretical Physics group.	
	search activities of Plasma Physics laboratories. Demonstrative experiments	
	search activities of Surface Analysis laboratory. Demonstrative experiments esearch activities of Thin Films laboratories. Demonstrative experiments	
	research activities of Optic, LASER and Spectroscopy laboratories.	
Demonstrative expe	eriments	
	esearch activities of Dielectrics, Ferroelectrics and Multiferroics laboratories.	
Demonstrative experience Organization and r	eriments esearch activities of Electricity and Magnetism laboratories. Demonstrative	
experiments	cocaron activities of Liectholy and magnetistic laboratories. Demonstrative	
	lization of the experiments/simulations in laboratories chosen by the students.	
D RECOMMENDED READING FOR		
	/luncii nr. 90/1996. Norme privind sănătatea și securitatea în munca în	
laboratoare.		
	a elevilor si studentilor, 258/2007.	
	actică al studenților, Facultatea de Fizică, Univ. Al. I. Cuza din Iași.	
-	tanțe chimice folosite în laboratoare, Ed. Univ. Al. I. Cuza din Iași, 1993.	
	urg.edu/~marschal/clea/cleahome.html	
	na Physics: An Introduction, Taylor & Francis, 2015	
	r, Astronomical Optics, Academic Press, 2000 lew development in advanced functional ceramics, Transworld Res. Network,	
8. L. Mitoseriu (ed.), N 2007	iew development in auvanceu functional cerannics, Transwohu Res. (VelWOFK,	
2007		

	9. E.M. Purcell, Electricity and magnetism, 2nd ed. Cambridge; New York: Cambridge University		
	press. 2011.		
E	EDUCATION STYLE		
LEAR	NING AND TEACHING METHODS	Lecture, Conversation, Demonstation, Simulation of different situations	
ASSE	SSMENT METHODS	Summative assessment (oral presentation of the final report)	
LANG	UAGE OF INSTRUCTION	English	