Universida_{de}Vigo

Subject Guide 2018 / 2019

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IDENTIFYIN	-					
Physics: Ph						
Subject	Physics: Physics II					
Code	P03G370V01202					
Study	(*)Grao en Enxeñaría Forestal					
programme Descriptors	ECTS Credits		Choose	Year	Quadmester	
Descriptors	6		Basic education		2nd	
Teaching	Galician		Busic cudeation	100		
language						
Department	Applied Physics					
Coordinator	González Fernández, Pio Man	uel				
Lecturers	González Fernández, Pio Man	uel				
E-mail	pglez@uvigo.es					
Web						
General description	Didactic aims Dominate the concepts and p Differentiate the physical app Analyse, interpret and explair Resolve problems of thermod Dominate experimental techr *Design and schedule an exp Dominate the acquisition of e Dominate technicians of grap Present a report or technical	earances *involucrac physical situations * ynamics and electror nicians and handle it o erimental setting in t xperimental data and hic representation ar	los in the resolution of *cotias. nagnetism applied the of instrumentation for eam related with appe I his statistical treatment of calculation of parame	a problem of en engineering. the measure of p earances of the p ent neters of adjust.	gineering. ohysical magnitudes. hysics applied.	
develop	o understand the biological, ch oment of professional activity, a ment and renewable natural re	s well as to identify t	he different biotic and	physical elemen	ts of the forest	
and its a	anding and mastery of the bas application for the resolution of	engineering problem	is.	nodynamics and	electromagnetism	
D8 Ability t	o solve problems, critical reaso	ning and decision ma	iking			
Learning ou	itcomoc					
Expected results fr					Training and Learning	
Long relation both	een competitions *and results, *and he weigh	at of each compatition incide w	aal mattar chaw * in him *ndf *r	ttach	Results	
		·				
http://forestales.uv	vigo.es/sites/default/files/06%20**Fisica%20*I	II.*Pdf#**overlay-**context=ar	e/**content/competitions-*and-r	esulted-of-*learning-by-	natter	
Contents						
1.THERMODY	INAMICS		TION TO THE THERMO YNAMIC PRINCIPLES	JDINAMICS		
2.ELECTROST	TATICS	2.1. PRINCIPLE	S OF THE ELECTROST ERS AND DIELECTRIC	ATICS		
	AGNETISM	3.1. MAGNETO	STATIC			
3.ELECTROM		3.2. ELECTRON 3.3. ALTERNAT	AGNETIC INDUCTION			
3.ELECTROM			AGNETIC INDUCTION			

Class hours	Hours outside the classroom	Total hours
20	30	50
15	22.5	37.5
17	25.5	42.5
1	15	16
1.5	0	1.5
2.5	0	2.5
	20 15 17 1 1.5	classroom 20 30 15 22.5 17 25.5 1 15 1.5 0

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies	
	Description
Lecturing	Exhibition by part of the professor of the contents of the matter, foundations and theoretical bases and guidelines of the exercises to develop by the student.
Problem solving	The professor gives the general guidelines for the resolution of problems or exercises related with the matter. The student has to develop the suitable or correct solutions by means of the application of formulas and the application of procedures.
Laboratory practices	Activities realised in the laboratory of application of the knowledges to concrete situations and of acquisition of basic skills and *procedimentaLEs related with the matter. The student adopts an active role, developing diverse actions (realisation of an experiment, setting, manipulation of scientific instrumentation and taking of experimental data) to build his knowledge (graphic representation and deduction of the physical law that governs the experiment).

Personalized attention	
Methodologies	Description
Lecturing	Resolution of doubts and customized help in tutorial schedule.
Laboratory practices	Resolution of doubts and customized help in tutorial schedule.
Problem solving	Resolution of doubts and customized help in tutorial schedule.

	Description	Qualification	Tra	ining) and
				earn Resu	5
Practices report	Formative evaluation, realised of a continuous way, carried out fundamentally in the classes of laboratory that allows a continuous follow-up and a *realimentación constructive.	20	B1	C6	D8
	It will value the presence and active participation in classes and in works *grupales, by means of checklists and by direct observation, and the quality of the works and individual reports and of group.				
Short answer tests	It will evaluate the theoretical and practical knowledges of the matter using like objective instrument the answer written of several questions of theoretical application-practical.	35	B1	C6	D8
Problem solving	It will evaluate the theoretical and practical knowledges of the matter (35%) and the purchased in the classes of laboratory (10%) using like objective instrument the resolution written of problems and/or exercises.	45	B1	C6	D8

Other comments on the Evaluation

In each methodology (Memory of practices, Proof of short answer and Resolution of problems) requires show a basic competition and minimum, that establishes in Apt=30%.

Numerical final qualification on scale of 10 points, according to the legislation.

Sources of information Basic Bibliography Complementary Bibliography

Tipler P.A, Física, Barcelona, 1992,

González P., Lusquiños F, **Fundamentos Físicos para Forestais**, Vigo, 2010, Sears F.W., Zemansky M.W., Young H.D., Freedman R.A, **Física**, México, 1999, Gettys W.E., Keller F.J., Skove M.J, **Física clásica y moderna**, Madrid, 1992, González P., Lusquiños F, **Física en imaxes**, Vigo, 2007,

Recommendations

Subjects that are recommended to be taken simultaneously

Mathematics: Overview of mathematics/P03G370V01203

Subjects that it is recommended to have taken before

Physics: Physics I/P03G370V01102 Mathematics: Mathematics and IT/P03G370V01103