Universida_{de}Vigo

Subject Guide 2017 / 2018

IDENTIFYIN					
	Mechanical Engineering Do	esign			
Subject	Advanced				
	Mechanical				
	Engineering				
Carla	Design				
Code	V04M141V01203				
Study	(*)Máster Universitario en				
programme	Enxeñaría				
	Industrial				
Descriptors	ECTS Credits		Choose	Year	Quadmester
Descriptors	3		Optional	1st	2nd
Teaching	English		Ориона	131	ZIIU
language	Liigiisii				
Department				-	
Coordinator	Casarejos Ruiz, Enrique				
Lecturers	Casarejos Ruiz, Enrique				
E-mail	e.casarejos kuiz, Enrique				
Web	http://www.faitic.uvigo.es				
General	Classical and numerical cal	culation of Machanical E	lomonts		
description	Classical and numerical car	Culation of Mechanical E	lements		
description					
Competenc	ies				
Code					
Code C14 CTI3	. Ability to design and test m				
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Master Session	10	0	10	
Case studies / analysis of situations	5	0	5	
Troubleshooting and / or exercises	5	0	5	
Group tutoring	2	0	2	_
Troubleshooting and / or exercises	0	30	30	
Practical tests, real task execution and / or	2	0	2	
simulated.				
Jobs and projects	0	21	21	

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

Methodologies	
	Description
Master Session	Review of previous contents of design / calculation of machines. Presentation of syllabus
Case studies / analysis of situations	Discussion of particular cases
Troubleshooting and / o	r Resolution of exercises
exercises	
Group tutoring	Discussion and resolution of doubts about the development of works and projects

Personalized attention			
Tests	Description		
Troubleshooting and / or exercises	Individual discussions for the resolution of problems and/or exercises proposed		
Jobs and projects	Individual discussions to solve the doubts related to the works and projects proposed		

Assessment				
	Description	Qualification	Training ar	nd Learning
			Res	sults
Troubleshooting and / or exercises	Resolution of exercises and problems	50	C14	D9
Practical tests, real task execution and / or simulated.	Resolution and presentation of problems	20	C14	D9
Jobs and projects	Resolution of a realistic case proposed	30	C14	D9

Other comments on the Evaluation

The continuous evaluation will be done considering both the regular exercises and the project to hand in. The quota of the exam will pass to the project.

In anyone gives up (officially) the continuous evaluation, the examination for the evaluation will be done together with the proposed project, and the distribution of the evaluation will be of 50% for the examination.

It is expected an adequate ethical behaviour of the student. In case of detecting unethical behaviour (copying, plagiarism, unauthorized use of electronic devices, etc.) shall be deemed that the student does not meet the requirements for passing the subject. In this case, the overall rating in the current academic year will be Fail (0.0).

The use of any electronic device for the assessment tests is not allowed unless explicitly authorized. The fact of introducing unauthorized electronic device in the examination room will be considered reason for not passing the subject in the current academic year and will hold overall rating (0.0).

Sources of information Basic Bibliography various authors, Shigley's mechanical engineering design, McGraw-Hill, Complementary Bibliography Norton, R., Diseño de Máquinas, Pearson, 2000 Mott, R.L., Diseño de elementos de máquinas, Pearson, 2006 Ansys, documentation,

Recommendations