$Universida_{\hbox{\it de}}\!Vigo$

Subject Guide 2022 / 2023

IDENTIFYING	<i></i>				
	Engineering Design				
Subject	Mechanical				
	Engineering				
	Design				
Code	V04M141V01114				
Study	(*)Máster				
programme	Universitario en				
	Enxeñaría				
	Industrial	,			
Descriptors	ECTS Credits		Choose	Year	Quadmester
	3		Mandatory	1st	1st
Teaching	English				
language					
Department					
Coordinator	Casarejos Ruiz, Enrique				
Lecturers	Casarejos Ruiz, Enrique				
E-mail	e.casarejos@uvigo.es				
Web	http://moovi.uvigo.gal/				
General	Standard and Numerical Cal	Iculation of Mechanical Ele	ments		
description					
	Ability to design and test made i. A recognition of the need		ge in life-long lea	rning.	
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Case studies	8	0	8	
Problem and/or exercise solving	0	21	21	
Case studies	0	30	30	

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

Methodologies	
	Description
Presentation	Lectures about topics.
	Applications.
	Study Cases.
Problem solving	Discussion of exercises
Case studies	Discussion of practical cases

Personalized assistance			
Tests	Description		
Problem and/or exercise solving	Individual discussions for the resolution of problems and/or exercises proposed.		
Case studies	Individual discussions to solve the doubts related to the works and projects proposed.		

Assessment				
	Description	Qualification	Training and Learning F	Results
Problem and/or exercise solving	Resolution of exercises and problems	35	C14 D9	9
Case studies	Resolution of a realistic cases proposed	. 65	C14 D9	9

Other comments on the Evaluation

The evaluation will be done according to the scores in two working blocks: # calculation with standards (35%) # case-study: project (65%). Students must achieve at least 35% of the partial score of each block to pass the evaluation.

The continuous evaluation will be done considering both the regular exercises and the case-studies to hand in. If any student gives up (officially) the continuous evaluation, the evaluation will be done with the exam and the case-studies handed in. The distribution of the evaluation will be of 35% for the exam and 65% for the case-studies.

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
VVAA, 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, Ansys, documentation ,
VVAA, SolidWorks documentation,

Recommendations	
Subjects that continue the syllabus	
Advanced Mechanical Engineering Design/V04M141V01203	