Course: 2023 / 2024 - Course planning

Goi Eskola Politeknikoa Escuela Politécnica Superior

			ENERAL INF	ORMATION					
Studies	MASTER'S DEGREE IN BIOMEDICAL Subject ?			?					
Semester	1	Course	1	Mention / Field of					
Character	COMPULSORY			specialisation					
Plan	2023	Modality	Face-to-face	Language	ENGLISH				
Credits	4,5	Hours/week	4.03	Total hours	72.6 class hou total hours	rs + 39	.9 non	-class hou	ırs = <u>112</u>
			PROFES	SORS					
MARTIN M	AYOR, ALAIN								
LAPEIRA A	ZCUE, ESTELA								
		REQUI	RED PREVIC	US KNOWLED	GE				
					ledge				
(No specific previous subjects required)				(No previous knowledge required)					
			LEARNING	RESULTS					
EARNING RESU	JLTS					кс	sк	AB	ECTS
		uid mechanics, as v	well as transfer m	nechanisms				x	3,16
MRA26 - To apply the knowledge acquired and your problem-solving skills in new, little-known or ×								1,08	
nanging environments within broader (or multidisciplinary) contexts related to your area of study								0,26	
IMRA28 - To communicate your conclusions and the knowledge and ultimate reasons that support them x o specialized and non-specialized audiences in a clear and unambiguous way								0,20	
opeolalized and									
								Total:	4,5
: Knowledge or Co	ntent / SK: Skills / AB:	Abilities							
			CONT	ENTS					

1.4 - Hydrodynamic analysis 1.5 - Hemodynamics 1.6 - Viscous flows 1.7.- Biomedical applications2.- HEAT TRANSFER 2.1.- Basic concepts of thermodynamics 2.2 - Heat transfer mechanisms 2.3 - Heat transfer in bi ological systems 2.4.- Biomedical applications4.-CFD-CHT (Computational fluid dynamic - Computational Hea t Transfer)4.1.-. Basic concepts4.2.- Biomedical applications4.3.- Practical case

LEARNING RESOURCES AND BIBLIOGRAPHY							
Learning resources	Bibliography						
Subject notes Class presentations	Incropera Fundamentals Heat Mass Transfer 7th, Frank P Incropera. David P. Dewitt, 2011						
Moodle Platform Specific Master Software	2500 Solved Problems in Fluid Mechanics and Hydraulics, J. B. Evett, Cheng Liu., Mc Graw- Hill.						
	Heat Transfer a Practical Approach 2nd edition, Yunus A. Cengel, 2002						