

Goi Eskola Politeknikoa Escuela Politécnica

GENERAL INFORMATION Studies DEGREE IN ISOURCLE NING ENDING Studies Signal Treatment Senseter 2 Course 3 Mention / Field of specialisation PROFESSORS TERMENON CONDE, MATE REQUIRED PREVIOUS KNOWLEDGE SUBjects Knowledge (No specific previous subjects required) Knowledge (No specific previous subjects required) Knowledge Course 3 Stellet IS Course 3 PROFESSORS TERMENON CONDE, MATE REQUIRED PREVIOUS KNOWLEDGE Stellet IS Stellet IS Stellet IS Colspan= 20 Colspan= 20 Colspan= 20 Colspan= 20 Stellet IS Colspan= 20 Colspan= 20 Stellet IS Colspan= 20 Colspan= 20 </th <th></th> <th>[</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>		[
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Course: 2022 / 2023 - Course planning

CH - Class hours: 2 h. NCH - Non-class hours: 1 h. TH - Total hours: 3 h.

RG304 Define the problem, develop the solution and one of them in writing.	present th	ne conclusions in a effic	ient manne	r, arguing and	d justifying e	ach
one of them in writing.						
LEARNING ACTIVITIES			СН	NCH	ТН	
Development and writing of records, reports, presentation projects/work experience/challenges/case studies/experin individually and/or in teams			2 h.	1 h.	3 h.	
EVALUATION SYSTEM	w	MAKE-UP MECHANI	SMS			
Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems	100%		(No mecha	anisms)		
CH - Class hours: 2 h. NCH - Non-class hours: 1 h. TH - Total hours: 3 h.						
RG305 Define the problem, develop the solution and one of them in spoken form. LEARNING ACTIVITIES	•		СН	лсн	тн	acti
Development and writing of records, reports, presentation projects/work experience/challenges/case studies/experin individually and/or in teams			2 h.	1 h.	3 h.	
EVALUATION SYSTEM	W	MAKE-UP MECHANI	SMS			
Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems	100%		(No mech	anisms)		
CH - Class hours: 2 h. NCH - Non-class hours: 1 h. IH - Total hours: 3 h.						
RGB327 [!] Argumenta la selección de las teorias má imágenes biomédicas	is relevant	tes que permitan soluci	onar un pro	blema de pro	cesamiento c	le
LEARNING ACTIVITIES			СН	NCH	ТН	
Development and writing of records, reports, presentation projects/work experience/challenges/case studies/experience/challenges/case studies/experience/cha			6 h.	4 h.	10 h.	
individually and/or in teams	mental inve	estigations carried out				

Computer simulation exercises, individually and/or in teams Presentation by the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects

EVALUATION SYSTEM	W	MAKE-UP MECHANISMS
Reports on the completion of exercises, case studies,	30%	Individual written and oral tests to assess technical skills of the
computer exercises, simulation exercises, laboratory		subject

7,3 h.

3 h.

9,7 h.

17 h.

3 h.

checkpoints



Course: 2022 / 2023 - Course planning

exercises, term projects, challenges and problems Presentation and defence of exercises, case studies, computer practical work, simulation practical work, laboratory practical work, term projects, end of degree project, master's thesis, challenges and problems	20%	Reports of solving exercises, case studies, computer practices, simulation practices and laboratory practices
Individual written and/or oral tests or individual coding/programming tests	50%	
CH - Class hours: 18,3 h. NCH - Non-class hours: 13,7 h. TH - Total hours: 32 h.		

RGE328 [!] Aplica técnicas para el procesamiento digital de imágenes biomédicas y analiza sus resultados

LEARNING ACTIVITIES			СН	NCH	ТН
Development and writing of records, reports, presentation projects/work experience/challenges/case studies/experin individually and/or in teams			6 h.	4 h.	10 h.
Conducting tests, giving presentations, presenting defend checkpoints	ces, taking	examinations and/or doing	2 h.		2 h.
Computer simulation exercises, individually and/or in tear	ns		7,3 h.	9,7 h.	17 h.
Presentation by the teacher in the classroom, in participa procedures associated with the subjects	tory classe	es, of concepts and	3 h.		3 h.
EVALUATION SYSTEM	W	MAKE-UP MECHANISM	IS		
Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems	30%		(No mecha	anisms)	
Presentation and defence of exercises, case studies, computer practical work, simulation practical work, laboratory practical work, term projects, end of degree project, master's thesis, challenges and problems	20%				
Individual written and/or oral tests or individual coding/programming tests	50%				
CH - Class hours: 18,3 h. NCH - Non-class hours: 13,7 h. TH - Total hours: 32 h.					

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 - Morphological Operations
 Segmentation



Goi Eskola Politeknikoa Escuela Politécnica Superior

LEARNING RESOURCES AND BIBLIOGRAPHY

Learning resources	Bibliography
Computer practical training	M. Rangayyan, "Biomedical Image Analysis", CRC
Slides of the subject	PRESS, 2005.
Moodle Platform	Rafael C. Gonzalez, Richard E. Woods, Steven L. Eddins, Digital Image Processing Using MATLAB, Gatesmark Publising, 2009.