

## [GBM201] DEVELOPMENT TECHNOLOGY

### GENERAL INFORMATION

<b>Studies</b>	DEGREE IN BIOMEDICAL ENGINEERING	<b>Subject</b>	NEW PRODUCT ENGINEERING
<b>Semester</b>	1	<b>Course</b>	2
<b>Character</b>	COMPULSORY	<b>Mention / Field of specialisation</b>	
<b>Plan</b>	2022	<b>Modality</b>	Face-to-face
<b>Credits</b>	3	<b>Language</b>	CASTELLANO
		<b>Total hours</b>	48 class hours + 27 non-class hours = <b>75 total hours</b>

### PROFESSORS

	ORTUBAY IBABE, RAFAEL
	OTALORA ORTEGA, HARRY YASIR

### REQUIRED PREVIOUS KNOWLEDGE

Subjects	Knowledge
GRAPHIC EXPRESSION I	[!] <i>Conceptos básicos de matemáticas: Geometría, trigonometría...</i>
BIOMATERIALS I	[!] <i>Conceptos básicos de física: presión, cambios de unidades...</i>

### LEARNING RESULTS

LEARNING RESULTS	KC	SK	AB	ECTS
<b>GBR208</b> - To apply manufacturing knowledge to the development of implants and biomedical instruments		x		2,6
<b>G-RTR1</b> - To develop interdisciplinary projects specific to their specialty and of gradual complexity, - becoming aware of respect for human rights and fundamental rights, and analyzing and assessing the impact of the proposed solutions on the SDGs - to acquire and/or apply basic, advanced and /or avant-garde, demonstrating the ability to work in multidisciplinary teams and/or undertake further studies with a high degree of autonomy		x		0,16
<b>G-RTR2</b> - To express information, ideas and the arguments that support them in an orderly, clear and coherent manner, orally and in writing, based on quality information, self-made or obtained from different sources, using inclusive and non-discriminatory language		x		0,24
<b>Total:</b>				<b>3</b>

KC: Knowledge or Content / SK: Skills / AB: Abilities

### CONTENTS

1. Sheet metal transformation processes
2. Forge
3. Transformation of plastics
4. Machining
5. Additive manufacturing

### LEARNING RESOURCES AND BIBLIOGRAPHY

Learning resources	Bibliography
Subject notes	Fundamentals of modern manufacturing. Materials, processes and systems. Mikell P. Groover
Moodle Platform	
Class presentations	
Video projections	
Slides of the subject	