

[MMF101] METHODOLOGICAL GUIDELINES FOR PREPARING A DOCTORAL THESIS

GENERAL INFORMATION

Studies	MASTER'S DEGREE IN BIOMEDICAL TECHNOLOGIES	Subject	?
Semester	1	Course	2
Character	OPTIONAL	Mention / Field of specialisation	
Plan	2023	Modality	Face-to-face
Credits	3	Hours/week	0.67
		Language	EUSKARA/CASTELLANO
		Total hours	12 class hours + 63 non-class hours = 75 total hours

PROFESSORS

(No professor appointed)

REQUIRED PREVIOUS KNOWLEDGE

Subjects	Knowledge
(No specific previous subjects required)	(No previous knowledge required)

LEARNING RESULTS

LEARNING RESULTS	KC	SK	AB	ECTS
MMRA19 - Constructing biomedical signal processing algorithms for diagnosis and prognosis in the healthcare field		x		1,5
MMR126 - To apply the knowledge acquired and your problem-solving skills in new, little-known or changing environments within broader (or multidisciplinary) contexts related to your area of study		x		1,5
Total:				3

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

SECONDARY LEARNING RESULTS

RMM304 [!] *Poseer y comprender conocimientos que aporten una base u oportunidad de ser originales en el desarrollo y/o aplicación de ideas, a menudo en un contexto de investigación*

LEARNING ACTIVITIES

	CH	NCH	TH
Development and writing of records, reports, presentations, audiovisual material, etc. on projects/work experience/challenges/case studies/experimental investigations carried out individually and/or in teams		31,5 h.	31,5 h.
Presentation by the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	6 h.		6 h.

EVALUATION SYSTEM

	W
Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems	100%

MAKE-UP MECHANISMS

Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems

CH - Class hours: 6 h.

NCH - Non-class hours: 31,5 h.

TH - Total hours: 37,5 h.

RMM301 [!] *Demostrar capacidad para la gestión de la Investigación, Desarrollo e Innovación tecnológica*

LEARNING ACTIVITIES

	CH	NCH	TH
Development and writing of records, reports, presentations, audiovisual material, etc. on projects/work experience/challenges/case studies/experimental investigations carried out individually and/or in teams		31,5 h.	31,5 h.
Presentation by the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	6 h.		6 h.

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MAKE-UP MECHANISMS

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CH - Class hours: 6 h.
NCH - Non-class hours: 31,5 h.
TH - Total hours: 37,5 h.

CONTENTS

- [!]
- 1) *QUÉ ES INVESTIGACIÓN*
 - a) *Qué es la investigación.*
 - b) *Tipos de investigación.*
 - c) *Investigación y Transferencia a la empresa.*
 - 2) *ALGUNOS CONCEPTOS BÁSICOS EN INVESTIGACIÓN*
 - a) *Variables e hipótesis.*
 - b) *Método y metodología.*
 - c) *Tipos de argumentos: deductivos e inductivos.*
 - d) *El método hipotético-deductivo*
 - 3) *QUÉ ES UNA TESIS DOCTORAL*
 - a) *Qué es una tesis doctoral.*
 - b) *Motivos para hacer una tesis doctoral*
 - c) *Qué es el doctorado y la formación doctoral.*
 - d) *Finding a research advisor/guide*
 - 4) *FASES DE UNA TESIS DOCTORAL*
 - a) *Motivación. Enmarque de la tesis/investigación.*
 - b) *Pregunta de investigación. Una vez concretado el problema, necesidad, etc inicial se formula una pregunta que permita resolverlo.*
 - c) *Revisión del Estado del arte en el ámbito de la pregunta de investigación.*
 - d) *Objetivos de la investigación. Generales y parciales. Puede ser en forma de hipótesis que se pretenden probar.*
 - e) *Metodología para conseguir demostrar la hipótesis.*
 - f) *Planificación y recursos.*

LEARNING RESOURCES AND BIBLIOGRAPHY

Learning resources

- [!] *Presentaciones en clase*
[!] *Charlas de ponentes externos*

Bibliography

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