

[MTF001] SEMINARS ON EMERGING TECHNOLOGIES I

GENERAL INFORMATION

Studies	MASTER'S DEGREE IN ARTIFICIAL INTELLIGENCE		Subject	?	
Semester	1	Course	1	Mention / Field of specialisation	
Character	COMPULSORY				
Plan	2024	Modality	Face-to-face	Language	CASTELLANO/ENGLISH
Credits	1,5	Hours/week	0	Total hours	[!] 14 class hours + 18.5 non-class hours = 32.5 total hours

PROFESSORS

DUO ZUBIAURRE, AITOR

REQUIRED PREVIOUS KNOWLEDGE

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

LEARNING RESULTS

LEARNING RESULTS	KC	SK	AB	ECTS
M1T116 - Integrate artificial intelligence methods and techniques into a broad set of non-IT domains, such as education, medicine, engineering, security and surveillance systems, adapting technological solutions to the specific needs of each area to improve efficiency and decision making.		x		0,9
M1T120 - Apply acquired knowledge and problem-solving skills in new, unfamiliar or changing environments within broader (or multidisciplinary) contexts related to their area of study.		x		0,2
M1T122 - Possess and understand knowledge that provides a basis or opportunity to be original in the development and/or application of ideas, often in a research context.		x		0,2
Total:				1,3

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

SECONDARY LEARNING RESULTS

MIRA31 [!] *Integrar métodos y técnicas de Inteligencia Artificial a un conjunto relevante de dominios que pueden ser ajenos a la Informática (educación, medicina, ingeniería, sistemas de seguridad y vigilancia, etc.)*

LEARNING ACTIVITIES

	CH	NCH	TH
Carrying out/resolving projects/challenges/cases, etc. to provide solutions to problems in interdisciplinary contexts, real and/or simulated, individually and/or in teams		12,5 h.	12,5 h.
Seminars, debates and/or workshops to deepen and/or share experiences.	10 h.		10 h.

EVALUATION SYSTEM

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

W
100%

MAKE-UP MECHANISMS

(No mechanisms)

CH - Class hours: 10 h.

NCH - Non-class hours: 12,5 h.

TH - Total hours: 22,5 h.

MIRA33 [!] *Demostrar capacidad para integrar conocimientos y enfrentarse a la complejidad de formular juicios a partir de una información que, siendo incompleta o limitada, incluya reflexiones sobre los ODS, los derechos humanos y derechos fundamentales, y sobr*

LEARNING ACTIVITIES

	CH	NCH	TH
Seminars, debates and/or workshops to deepen and/or share experiences.	2 h.	3 h.	5 h.

EVALUATION SYSTEM

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

W
100%

MAKE-UP MECHANISMS

(No mechanisms)

CH - Class hours: 2 h.
NCH - Non-class hours: 3 h.
TH - Total hours: 5 h.

MIRA32 [!] *Aplicar los conocimientos adquiridos y su capacidad de resolución de problemas en entornos nuevos, poco conocidos o cambiantes dentro de contextos más amplios (o multidisciplinares) relacionados con su área de estudio*

LEARNING ACTIVITIES

Seminars, debates and/or workshops to deepen and/or share experiences.

CH

2 h.

NCH

3 h.

TH

5 h.

EVALUATION SYSTEM

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

W

100%

MAKE-UP MECHANISMS

(No mechanisms)

CH - Class hours: 2 h.
NCH - Non-class hours: 3 h.
TH - Total hours: 5 h.

CONTENTS

Training pills on emerging technologies such as: Machine Vision, Robotics, Multiagent Systems, Health, Cybersecurity, PLN, Alternative tools and languages for AI, etc.

LEARNING RESOURCES AND BIBLIOGRAPHY

Learning resources

Technical articles

Presentations by external Lecturers

Bibliography

(No bibliography)