

## [MNB004] CIBERSECURITY MANAGEMENT

### GENERAL INFORMATION

<b>Studies</b>	MASTER DEGREE IN DATA ANALYSIS, CYBERSECURITY AND CLOUD COMPUTING			<b>Subject</b>	Cybersecurity
<b>Semester</b>	2	<b>Course</b>	1	<b>Mention / Field of specialisation</b>	
<b>Character</b>	COMPULSORY				
<b>Plan</b>	2019	<b>Modality</b>	Adapted Face-to-face	<b>Language</b>	CASTELLANO
<b>Credits</b>	3	<b>Hours/week</b>	0	<b>Total hours</b>	32 class hours + 43 non-class hours = <b><u>75 total hours</u></b>

### PROFESSORS

LIZARRAGA DURANDEGUI, JESUS MARIA

### REQUIRED PREVIOUS KNOWLEDGE

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

### SKILLS

#### VERIFICA SKILLS

##### SPECIFIC

**MNCE09** - Understanding existing legislation and regulations on cybersecurity and verifying the compliance of the system with respect to them.

##### CROSS

**MNCTR1** - Ability to work in multidisciplinary teams and in a multilingual environment (Basque/Spanish/English) and to communicate, both orally and in writing, knowledge, procedures, results and ideas related to the life cycle of the data, cybersecurity, and development and operations.

##### BASIC

**M\_CB8** - To be able to integrate different types of knowledge and make complex judgements based on information that, in spite of being partial or limited, includes ideas on the social and ethical responsibilities associated with the application of knowledge

### LEARNING RESULTS

**RA241** [!] *Es capaz de conocer, comprender y aplicar los estándares principales en materia de seguridad, así como la legislación existente, trabajando de forma individual o coordinándose en grupo*

#### 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	9 h.	23 h.	32 h.
Conducting tests, giving presentations, presenting defences, taking examinations and/or doing checkpoints	2 h.	8 h.	10 h.
Presentation by the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	15 h.		15 h.
Carrying out exercises and solving problems individually and/or in teams	6 h.	12 h.	18 h.

#### EVALUATION SYSTEM

W

Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory 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  
Individual written and/or oral tests or individual coding/programming tests

30%

20%

50%

#### MAKE-UP MECHANISMS

Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems  
Individual written and/or oral tests or individual coding/programming tests

**CH - Class hours:** 32 h.

**NCH - Non-class hours:** 43 h.

**TH - Total hours:** 75 h.

### CONTENTS

- Cybersecurity-related standards (ISO 27k, IEC-62443...)
- Cybersecurity-related legislation (GDPR, LOPDGDD...)
- Security plans (business continuity, training...)
- Security operation centers and incident management

## LEARNING RESOURCES AND BIBLIOGRAPHY

### Learning resources

Subject notes  
Moodle Platform  
Class presentations

### Bibliography

[http://katalogoa.mondragon.edu/janium-bin/janium\\_login\\_opac\\_re\\_in\\_k.pl?grupo=MASTERDATUANALISIA12&ejecuta=25&](http://katalogoa.mondragon.edu/janium-bin/janium_login_opac_re_in_k.pl?grupo=MASTERDATUANALISIA12&ejecuta=25&)