

## [MND001] INTERNSHIPS IN COMPANIES I

### GENERAL INFORMATION

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

### PROFESSORS

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ZUGASTI URIGUEN, EKHI
AGUIRRE ORTUZAR, AITOR
BARREIRO BUEZO, UNAI

### REQUIRED PREVIOUS KNOWLEDGE

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

### SKILLS

#### VERIFICA SKILLS

##### SPECIFIC

**MNCE01** - Knowing, understanding and selecting the fundamentals of machine learning.

**MNCE02** - Designing, developing and implementing pre-processing and data modelling techniques to predict, classify and group them, being able to interpret and validate the models created for the extraction of knowledge

**MNCE06** - Recognising the main computer threats and vulnerabilities and designing, developing and implementing existing security countermeasures at the level of infrastructures and networks to address them.

**MNCE10** - Defining, designing and implementing scalable, flexible and resilient architectures that address existing problems and accelerating the deployment of different applications.

**MNCE12** - Developing scalable and flexible software using advanced software architectures.

##### GENERAL

**MNCG04** - Being able to understand the necessary skills to cooperate with a multidisciplinary and multilingual team (Basque/Spanish/English), actively participating in the development of projects in real environments.

##### 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.

**MNCTR2** - Capacity to do their job in cooperative, participatory environments, with awareness of social responsibility.

##### BASIC

**M\_CB10** - To have learning skills and the capacity for self-guided or independent subsequent learning.

### LEARNING RESULTS

**RA511** [!] *Es capaz de gestionar su trabajo dentro de un entorno de trabajo*

#### LEARNING ACTIVITIES

	CH	NCH	TH
Carrying out work experience in real environments and writing the corresponding report	37,5 h.		37,5 h.

#### EVALUATION SYSTEM

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

W

100%

#### MAKE-UP MECHANISMS

(No mechanisms)

**CH - Class hours:** 37,5 h.

**NCH - Non-class hours:** 0 h.

**TH - Total hours:** 37,5 h.

**RA512** [!] *Expone, argumenta y defiende ante un tribunal los resultados obtenidos en el trabajo desarrollado*

**LEARNING ACTIVITIES**

	<i>CH</i>	<i>NCH</i>	<i>TH</i>
Carrying out work experience in real environments and writing the corresponding report	37,5 h.		37,5 h.

**EVALUATION SYSTEM**

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

*W*  
100%

**MAKE-UP MECHANISMS**

*(No mechanisms)*

**CH - Class hours:** 37,5 h.

**NCH - Non-class hours:** 0 h.

**TH - Total hours:** 37,5 h.

## CONTENTS

- Safety plan
- Business organization
- Organizational structure
- Internship in the company

## LEARNING RESOURCES AND BIBLIOGRAPHY

**Learning resources**

Moodle Platform

**Bibliography**

*(No bibliography)*