TECHNICAL SHEET OF THE SUBJECT

Data of the subject

<table>
<thead>
<tr>
<th>Subject name</th>
<th>Ethics: privacy and hacking</th>
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<td>Subject code</td>
<td>DOI-MCS-521</td>
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<td>Involved programs</td>
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<tr>
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<tr>
<td>Quarter</td>
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<td>Credits</td>
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<td>Type</td>
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<tr>
<td>Department</td>
<td>Department of Industrial Organization</td>
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<tr>
<td>Coordinator</td>
<td>Javier Camacho Ibáñez</td>
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Course overview

This module’s objective is to make the student reflect on the ethical dimension of the use of data and resources in the age of the digital economy. On the one hand, the student is introduced to the basics of ethical reasoning, so that he can apply it to two particular areas related to cybersecurity: privacy and ethical hacking. In an environment where all organisations compete for data to optimise different artificial intelligence systems and other algorithms for decision-making, access, use, transfer and retention of this data is a challenge in an unequal regulatory environment, where several fundamental rights, such as security and privacy, compete. Ethical hacking is presented in its most broad sense, that is, not only as the consented action of trying to penetrate a security system but as any non-violent use of technology, in favour of a cause, political or otherwise. Ethical hacking, from this point of view, is often ethically and legally ambiguous and involves a series of chaine

Teacher Information

Teacher

<table>
<thead>
<tr>
<th>Name</th>
<th>Javier Camacho Ibáñez</th>
</tr>
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<tbody>
<tr>
<td>Department</td>
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<td>EMail</td>
<td><a href="mailto:jcamacho@comillas.edu">jcamacho@comillas.edu</a></td>
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SPECIFIC DATA OF THE SUBJECT

Contextualization of the subject

Prerequisites

There are no prerequisites.
## Competencies - Objectives

### THEMATIC BLOCKS AND CONTENTS

#### Contents - Thematic Blocks

1. Introduction to Ethics
2. Ethical reasoning
3. Privacy in the Age of the Digital Economy
4. Fundamentals of privacy in organisations
5. Definition and types of Ethical Hacking
6. Intrusion/penetration test
7. Discovering vulnerabilities and reward programs

### TEACHING METHODOLOGY

#### General methodological aspects of the subject

### EVALUATION AND CRITERIA

#### Ratings

- Final exam: 40%
- Assignments (group/individual): 60%

### BIBLIOGRAPHY AND RESOURCES

#### Basic Bibliography


Dennedy, Michelle, Jonathan Fox, and Tom Finneran. The privacy engineer's manifesto: getting from policy to code to QA to value. Apress, 2014.


Mac Sithigh, D., & Siems, M. (2019). The Chinese social credit system: A model for other countries?. The
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<th>Syllabus 2020 - 2021</th>
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