

## Syllabus

### Course description

<b>Course title</b>	<b>Cybersecurity and digital privacy – offered online</b>
<b>Course code</b>	27513
<b>Scientific sector</b>	IUS/01
<b>Degree</b>	Master in Data Analytics for Economics and Management
<b>Semester and academic year</b>	1 <sup>st</sup> semester a.y. 2024/2025
<b>Year</b>	2 <sup>nd</sup> study year
<b>Credits</b>	6
<b>Modular</b>	No
<b>Total lecturing hours</b>	36
<b>Total lab hours</b>	/
<b>Total exercise hours</b>	/
<b>Attendance</b>	Suggested, but not required
<b>Prerequisites</b>	None
<b>Course page</b>	<a href="#">Master in Data Analytics for Economics and Management / Free University of Bozen-Bolzano (unibz.it)</a>

<b>Specific educational objectives</b>	<p>The course deals with the main legal issues on personal and non-personal data processing and the risk management that a cyber-company faces in light of the current European regulatory framework. In the first part of the course personal and non-personal data processing regulations will be studied. The GDPR's main provisions will be described, and then how the GDPR addresses the rules governing data processing and the duties cast upon controllers and processors. In this context the role and obligations of data protection officers (DPO) are illustrated. The second part of the course focuses on cybersecurity. After having described the main threats and vulnerabilities of networks, it illustrates the best practices and rules used to tackle them. It analyses the NIS Directive and the Cybersecurity Act in force into the European Union. It concludes with the discussion about how these rules are tailored within specific industries. The comparative perspective among the EU legal model with the US legal model and the Chinese legal model of data processing and protection will be explored. The international level of rules formation in the field will be also taken into account.</p>
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<b>Lecturers</b>	<p>12 hours – Laura Valle  <a href="mailto:laura.valle@unibz.it">Laura Valle / Libera Università di Bolzano (unibz.it)</a>  office E 3.08  <a href="mailto:laura.valle@unibz.it">laura.valle@unibz.it</a></p> <p>24 hours – Laura Greco  <a href="mailto:Laura.Greco2@unibz.it">Laura Greco / Free University of Bozen-Bolzano (unibz.it)</a>  <a href="mailto:Laura.Greco2@unibz.it">Laura.Greco2@unibz.it</a></p>
<b>Scientific sector of the lecturer</b>	IUS/01
<b>Teaching language</b>	English
<b>Office hours</b>	Please refer to the lecturers' timetable
<b>Lecturing assistant</b>	/
<b>Teaching assistant</b>	/
<b>Office hours</b>	/
<b>List of topics covered</b>	<p>Part I. European Data Protection Law: General provisions; Personal data and non-personal data; Principles and rights related to data processing and data subjects; Controller and processor; Security of personal data; Data protection officer; Personal data protection and consequences of the breaches of law.</p> <p>Part II. Cybersecurity: Threats and Vulnerabilities; Best Practices, standards and rules; The NIS Directive 2016; Cybersecurity Act 2017; Cybersecurity Governance; Industry specific cybersecurity rules.</p> <p>Comparative perspectives among different legal models. Development of rules and practices at the international level.</p>
<b>Teaching format</b>	<p>Frontal lectures.</p> <p>Power point presentations will be used during the lectures. They are a support for the lectures and not learning materials for the individual study.</p>
<b>Learning outcomes</b>	<p><u>Knowledge and understanding:</u></p> <ul style="list-style-type: none"> <li>• Knowledge and understanding of the legal sources relating to the fields of the course at the national, European and at the international level.</li> <li>• Knowledge and understanding of the legal problems connected to data processing.</li> </ul> <p><u>Applying knowledge and understanding:</u></p> <ul style="list-style-type: none"> <li>• Ability to search and use of the interested sources of law at the national, European, and international contexts.</li> <li>• Ability to analyse case studies emerging in</li> </ul>

	<p>practice, and to apply the appropriate concepts of the interested rules of law.</p> <ul style="list-style-type: none"> <li>• Ability to support firms and public entities about the legal issues object of the lecture course.</li> </ul> <p><u>Making judgments</u></p> <ul style="list-style-type: none"> <li>• Ability to find, read and evaluate new and updated data, rules of law, professional and scientific publications, as well as news in journals, newspapers, media.</li> </ul> <p><u>Communication skills:</u></p> <ul style="list-style-type: none"> <li>• Ability to produce the legal notions learned in the course using an appropriate scientific and professional language.</li> </ul> <p><u>Learning skills:</u> Development of skills of interpretation and application of the legal rules in the field interested.</p>
<b>Assessment</b>	<p>(i) The course grade will be based on the final written exam that include 3 general questions with 3-4 sub-questions.</p> <p>(ii) Attending students can do a midterm exam based on a presentation prepared individually. The grade of the written exam will count for the 33% of the final grade. The final written exam will have 2 general questions instead of 3.</p>
<b>Assessment language</b>	English
<b>Evaluation criteria and criteria for awarding marks</b>	Relevant for the assessment of the written exam: clarity of the answers, mastery of language (knowledge of the legal technical language, and grammatical and logic mastery of language), ability to summarize, evaluate, and establishing relationships between topics.
<b>Required readings</b>	<ul style="list-style-type: none"> <li>- European Union Agency for Fundamental Rights, <i>Handbook on European data protection law - 2018 edition</i>, disponibile in versione integrale gratuitamente al sito web <a href="https://fra.europa.eu/sites/default/files/fra_uploads/fra-coe-edps-2018-handbook-data-protection_en.pdf">https://fra.europa.eu/sites/default/files/fra_uploads/fra-coe-edps-2018-handbook-data-protection_en.pdf</a></li> <li>- Maria Grazia Porcedda, <i>Cybersecurity, Privacy and Data Protection in EU Law. A Law, Policy and Technology Analysis</i>, 2023, Hart Publishing, ISBN 9781509939398</li> </ul> <p>The part to prepare for the exam will be indicated in a detailed syllabus on Teams.</p>

**Supplementary readings**

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