AI Ethics, Data Privacy, and Intellectual Property in IT

Winter

(in German: AI Ethics, Data Privacy, and Intellectual Property in IT)

Module-ID: FIN-INF-110510

Abbreviation	Credit Points	Semester	Term	Duration	Language	Level
	5	Winter	1.	1 Semester	english	Bachelor

Link:	LSF
Limited accessability:	
Responsibility:	Dr. Laila Barqawi, Dr. Mohammad Abdallah
Lecturer:	Dr. Laila Barqawi, Dr. Mohammad Abdallah
Classes:	• Lecture AI Ethics, Data Privacy, and Intellectual Property in IT (online) • Exercise AI Ethics, Data Privacy, and Intellectual Property in IT (online)
Applicability in curriculum:	- B.Sc. INF: Informatik - Wahlpflicht - B.Sc. CV: Informatik - Wahlpflicht - B.Sc. WIF: Recht - Wahlpflicht - B.Sc. INF (bilingual): Informatik - Wahlpflicht

Intended learning outcomes:
Students:

- can explain fundamental ethical principles.
- can appreciate ‘ACM’ and ‘IEEE’ professional ethics codes.

- can interpret the core provisions of the ‘GDPR’ and apply them to IT scenarios.
- can understand and identify IP rights and licensing types relevant to software and AI.
- can analyse how ethics, privacy, and IP are interrelated in IT innovation.
- can propose responsible approaches to real-world data and IP challenges.

Content:

- Ethics: professional integrity, fairness, and accountability in IT;
- Data Privacy: key data protection concepts and GDPR compliance;
- Intellectual Property (IP): ownership, licensing, and innovation in digital products.

Workload:

- Contact hours (lectures + activities): 52h
- Independent work (preparation + homework + project): 98h

Pre-examination requirements:	Type of examination:	Teaching method / lecture hours per week (SWS):
None	Hausarbeit (Homework and Presentation)	Lectures (2 SWS) Exercise (2 SWS)

Prerequisites according to examination regulations:	Recommended prerequisites:
none	

Media:	Literature:

	Professional Ethics • ACM Code – https://www.acm.org/code-of-ethics • IEEE Code – https://www.ieee.org/about/corporate/governance/p7-8 AI Ethics • UNESCO - https://www.unesco.org/en/artificial-intelligence/recommendation-ethics Data Privacy & GDPR • The General Data Protection Regulation (GDPR), https://gdpr.eu/ • Federal Data Protection Act (BDSG), https://www.gesetze-im-internet.de/englisch_bdsg/ Intellectual Property • WIPO. Enterprising Ideas- A Guide to Intellectual Property for Startups https://www.wipo.int/edocs/pubdocs/en/wipo_pub_961.pdf

Comments:

Kurs für Wintersemester unklar, da Lehrauftrag

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