# 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 |

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|---|---|
| **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)<br>• Exercise AI Ethics, Data Privacy, and Intellectual Property in IT (online) |
| **Applicability in curriculum:** | - B.Sc. INF: Informatik - Wahlpflicht<br>- B.Sc. CV: Informatik - Wahlpflicht<br>- B.Sc. WIF: Recht - Wahlpflicht<br>- 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: |
|---|---|

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| | Professional Ethics<br>• ACM Code – https://www.acm.org/code-of-ethics<br>• IEEE Code – https://www.ieee.org/about/corporate/governance/p7-8<br><br>AI Ethics<br>• UNESCO - https://www.unesco.org/en/artificial-intelligence/recommendation-ethics<br><br>Data Privacy & GDPR<br>• The General Data Protection Regulation (GDPR), https://gdpr.eu/<br>• Federal Data Protection Act (BDSG), https://www.gesetze-im-internet.de/englisch_bdsg/<br><br>Intellectual Property<br>• 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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