Module Description_AI Ethics (WPM)

Author: De Luca Alessia
Issuing authority: Swiss Institute for Information Science
Scope: Study course
Classification:
Version: V02.00
Issuing date: 06.05.2025

Module

Name	AI Ethics		
Code	AIETH	**ECTS credits**	4
Type	Mandatory Elective Module		
Responsible	Dr. Caroline Dalmus & Norman Süsstrunk		
Objective	Technological advancements in artificial intelligence affect various areas of society and have the potential to transform them in lasting ways. This seminar explores the opportunities and ethical challenges of AI, while also familiarizing students with the underlying technologies and how they work. Using a specific societal context, participants investigate how artificial intelligence is applied and critically reflect on how the technology influences and transforms aspects of our lives. The results will be presented in a multimedia format (e.g., podcast, YouTube video, or TikTok) and published.		
Prerequisites	None		
Learning outcomes	After successfully completing the module, students will be able to: – Understand the diverse applications of artificial intelligence across different areas of society and everyday life. – Comprehend the underlying technology and functionality of AI. – Identify and describe the potential of artificial intelligence. – Critically reflect on the risks and ethical challenges associated with AI. – Develop potential approaches for a functional and fair AI-supported future. – Prepare complex content in a multimedia format for a broad audience.		
Assessment	– Assessment 1: Research Log – 50% – Assessment 2: Run-Book & Digital Final Product – 50%		
Re-examination	No		

Language	English
Learning prerequisites	None
Content	– Technical and ethical fundamentals regarding data collection, production, and use by AI – Analysis of AI technology applications in a selected societal area – Examination of changes, opportunities, risks, and ethical challenges resulting from AI usage in that context – Development of potential solutions for a functional and fair AI-based future within the chosen societal field – Multimedia presentation of findings (e.g., as a podcast, YouTube video, or TikTok)
Didactics	Screencasts, Coaching, Self-Study
Structure	48 hours of classroom instruction 60 hours of guided self-study 12 hours of individual self-study Total: 120 hours
Literature	Deng, B. (2015). Machine ethics: The robot's dilemma. Nature 523, 24–26. https://doi.org/10.1038/523024a Hanna, R., & Kazim, E. (2021). Philosophical foundations for digital ethics and AI Ethics: A dignitarian approach. AI and Ethics, 1(4), 405–423. https://doi.org/10.1007/s43681-021-00040-9 Kaushik, S. (2023, Juli 18). The No BS Guide to LLMs: A Primer for ML Enthu-si-asts. Medium. https://medium.com/@shivansh.kaushik/the-no-bs-guide-to-llms-a-primer-for-ml-enthusiasts-dd041440e5fa Misselhorn, C. (2021). Künstliche Intelligenz und Empathie. Vom Leben mit Emoti-onserkennung, Sexrobotern & Co. Reclam.