HÖGSKOLAN
I HALMSTAD

Trustworthy AI and Governance, 3 credits

Placement in the Academic System
The course is offered as an independent professional course.

Prerequisites and Conditions of Admission
Post-secondary education (*eftergymnasial utbildning*), and relevant work experience in AI, design of AI systems, law, or management. The course is directed towards:

- AI professionals: engineers, developers, data scientists
- Legal/compliance officers in data governance and ethics
- UX and design experts working on AI interfaces
- Managers, such as innovation or project managers, driving digital transformation or public sector innovation
- Professionals from public/private sectors (e.g., healthcare, transport, energy, insurance, education)

Course Objectives
This course provides professionals with a practical and interdisciplinary introduction to the regulation of AI and AI-related innovation and use, such as the EU AI Act. Learners will explore legal, ethical, technical, and design perspectives on AI regulation, with a focus on compliance, governance, and the development of trustworthy AI systems. Emphasizing human-centered development, the course highlights transparency, explainability, and accountability in AI. Designed for working professionals, it prioritizes real-world application, flexibility, and cross-functional collaboration.

Knowledge and understanding

- Understand the scope of relevant regulations, especially the EU AI Act's structure, scope, risk categories, and implementation timelines.
- Determine the specific conditions under which the Regulation applies to providers and deployers based outside the EU.

Skills and ability

- Design roadmaps for AI compliance processes in their organization.
- Apply principles of Trustworthy AI, including fairness, transparency, and explainability, to assess and guide AI system development and deployment.

Judgement and approach

- Critically reflect on relevant and rigor of work required for AI Act compliance for their organization and evaluate trade-offs between innovation and regulation.

Primary Contents

The course content is structured around three major connected topics:

- Legal, compliance, and governance: Understanding the Act's structure, key definitions, such as provider, deployer, and users, and its horizontal approach. Examine the risk-based framework: A deep dive into the classification of AI systems: prohibited, high-risk, limited-risk, and minimal-risk, and their legal implications. Analyze the specific legal regime for General Purpose AI (GPAI). Discuss the key timelines for enforcement.
- Trustworthy AI: Explore key values like fairness, transparency, and accountability. Introduction to technical documentation of AI systems and explainability.
- Organizational readiness: Introduction to AI lifecycle management and examine how the Act affects various sectors and roles, public services, and innovation capacity. Learn design methods to build transparent, inclusive systems—using participatory practices and co-design for compliance and trust.

Teaching Formats

- Delivery: Asynchronous online modules + optional live Q&As/workshops.
- Methods: Case studies, expert videos, scenario-based and co-design learning.
- Assessment: Quizzes and practical project (e.g., AI risk analysis or compliance strategy).