

Data Governance and Ethics

Lead with integrity through ethical data management in business





Master ethical data management and regulatory compliance

Gain the skills to handle data responsibly while ensuring legal compliance and ethical practices in business operations.

This module delves into managing data within strict legal and ethical frameworks. You'll learn to assess various methods for acquiring, storing and transforming data, while understanding the complexities of data governance. It also equips you with strategies for managing business data ethically and effectively.

Additionally, the course covers the integration of artificial intelligence in data analysis, so you'll understand both the legal implications and technical requirements. It prepares future leaders to navigate the digital business landscape with a strong focus on ethical and societal responsibilities.

Learning objectives

This module emphasises responsible data management, covering legal, ethical and regulatory frameworks. Students will develop skills to handle data ethically, assess frameworks, and grasp the influence of artificial intelligence in data analysis. Here's what you'll accomplish:

Assess and critically compare data governance and regulatory processes for data acquisition, storage, and transformation in diverse business contexts.

Design and propose solutions to business challenges using data governance strategies, emphasising regulatory compliance and ethical considerations.

Assess and implement effective data governance practices by applying appropriate methodologies such as gap analysis and risk assessment.

Communicate complex data governance and ethics issues effectively to diverse stakeholders, promoting ethical practices within organisations.

Enhance transparency and explainability of AI-generated data insights.

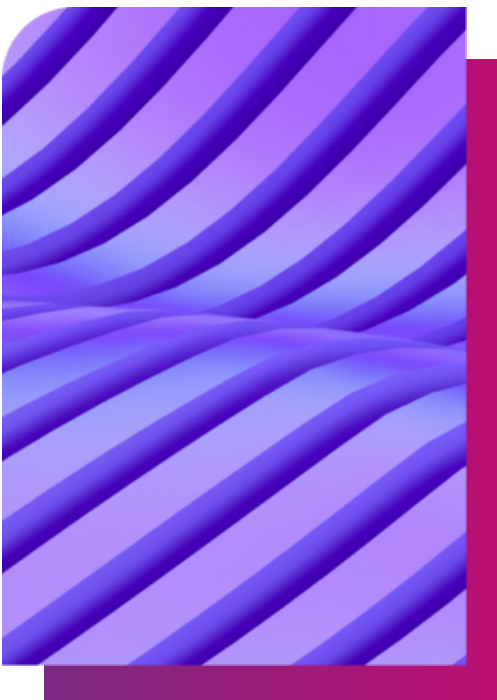
Criteria — are you eligible?

- **Language proficiency:** Minimum B2 English proficiency, or 2 years' work or education in an English-speaking environment. IELTS: 6.0; TOEFL PBT: 600; TOEFL CBT: 200; TOEFL iBT: 100. Alternatively, proficiency may be assessed via a test or interview.
- **Education:** Relevant EQF Level 6 qualification required in a relevant field including but not limited to: computer science, IT, engineering, maths, business, or economics. Without this you will have an interview and assessment to evaluate certifications, qualifications or professional experience.
[*EQF levels explained](#)
- **Residency:** This EU co-funded programme is open to all [EU27](#), EEA, UK and Ukrainian nationals with a passport or valid ID from one of these countries.

Data Governance and Ethics

Open doors with ethical data management and compliance skills

This course is ideal for managers, analysts, and decision-makers who want to understand data governance, privacy, and compliance without needing deep technical expertise. It also benefits tech-savvy professionals and IT teams working where data, innovation, and regulation meet—helping all participants manage data ethically and strategically to support their organisation's goals.



A revolutionary online learning experience

This entirely online module blends cutting-edge teaching techniques with expert guidance. Students participate in live lectures, independent study and lab work. Core approaches include problem-based learning, gamification, and flipped classroom methods.

Advanced technologies like artificial intelligence enrich the digital learning environment, creating a highly interactive and immersive experience that fosters both deep comprehension and practical abilities. The module grade is assessed through 50% project and 50% proctored written exam.

Time commitment

- Classroom and demonstrations: 24 hours
- Practical work/tutorials: 24 hours
- Independent learning: 77 hours
- Total: 125 hours

Credit points

- 5 ECTS

Full course content

Data Governance and Ethics is a 5 ECTS module delivered over 12 weeks — 2 hours synchronous live class time, and 2 hours asynchronous content to be studied in students' own time. An indicative schedule of topics is outlined below:

● Data Governance and Ethics

- Overview of data governance and ethics
- Why data governance is important
- Data governance definitions

● Data and Metadata

- Introduction to data and metadata
- Structured and unstructured data
- Metadata types and roles
- Data lifecycle
- Data quality introduction

● Data Risks, Integrity and Security

- Understanding data risk
- Data integrity and information assurance
- Organisational challenges; Data security
- Cyber attacks

● Data Governance Principles and Frameworks

- Examining policies, principles, rules, and procedures
- Operating models
- Roles and responsibilities

● Execution Models and Metadata

- Decision-making in data governance
- Execution models and scenarios
- Data architecture
- Metadata for governance

● Data Regulatory Compliance, Privacy and Data Protection

- GDPR overview
- Key concepts and definitions
- Roles and responsibilities
- Articles of relevance
- Controllers vs Processors

● Individual Data Rights and Data Breaches

- Data subject rights
- Right to be forgotten
- Right to data portability
- Breach notification procedures
- GDPR Articles

● Ethics and Data in the Organisation

- Ethical frameworks
- Corporate data ethics
- Bias and discrimination
- Data ethics in governance

● Data Strategy and Value

- Developing a data strategy
- Value creation from data
- Strategic objectives and performance
- Data as an asset

● Implementing Governance

- Planning for implementation
- Capability models
- Barriers and drivers
- Implementation lifecycle

● AI Governance and Risk

- Overview of AI Governance
- Risks from AI in data practices
- Bias and discrimination
- Regulatory frameworks

● Future Trends in Data Governance

- Emerging technologies
- Regulatory evolution
- Cross-border governance
- Evolving data roles

Thank You!

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