



AI Audit Mastery: Governance, Risk & Ethics

26 - 30 Sep 2027
Cape town



AI Audit Mastery: Governance, Risk & Ethics

Ref.: 103600423_61896 **Date:** 26 - 30 Sep 2027 **Location:** Cape town **Fees:** 6000 **Euro**

Course Overview:

This AI Audit Training for AI Governance and Risk is designed to empower internal auditors with the tools and knowledge to assess and audit AI-driven systems, ensuring compliance with governance frameworks and AI audit practices. The course will focus on AI Risk Assessment Tools, Audit Compliance, and applying AI auditing techniques to evaluate the ethical, regulatory, and security challenges that come with machine learning and automation technologies. Participants will also explore AI risk control strategies, AI model risk management, and data privacy in auditing.

Target Audience:

- IT Auditors and Compliance Professionals
- Risk Management and Governance Leaders
- Data Scientists and AI Development Teams
- Cybersecurity Professionals
- Internal and External Auditors focusing on AI Systems
- IT/AI Consultants specializing in Audit Practices

Targeted Organizational Departments:

- Internal Audit & Assurance
- Risk Management & Compliance
- IT Governance & Cybersecurity
- AI and Data Science Teams
- Finance & Regulatory Reporting
- Legal and Ethics Committees

Targeted Industries:

- Financial Services & Banking
- Healthcare & Pharmaceuticals
- Technology & Telecommunications
- Government & Public Sector
- Manufacturing & Engineering
- Professional Services & Consulting

Course Offerings:

By the end of this course, participants will be able to:

- Effectively conduct AI audits in compliance with AI Governance frameworks
- Identify and mitigate risks related to AI Governance and Ethics
- Evaluate AI model risk management practices and assess AI compliance with regulatory standards
- Conduct bias, fairness, and privacy assessments for AI systems
- Implement AI Risk Assessment Tools to manage data privacy and security
- Understand AI model lifecycle from development to deployment and ensure comprehensive risk controls

Training Methodology:

The course uses a hands-on, practical approach to learning, including:

- Case Studies simulating real-world AI auditing challenges
- Group Discussions to explore AI governance issues in different sectors
- Lab exercises focusing on AI auditing tools and risk management frameworks
- Expert-led Sessions to break down AI governance models and practical applications
- Feedback and Reflection sessions after each topic to consolidate learning

Course Toolbox:

- Digital Workbook with AI audit templates, tools, and best practices
- Checklists for AI Governance and Risk Management
- Access to case studies and real-world examples of AI audits
- AI Risk Control Strategy templates for developing audit protocols
- Resource guides on AI audit tools, including those for machine learning and model validation

Course Agenda:

Day 1: Introduction to AI Audit Frameworks

- **Topic 1:** Overview of AI Governance and Risk Management Frameworks
- **Topic 2:** Introduction to AI Audit Compliance and Certification Requirements
- **Topic 3:** Key AI Risk Assessment Tools and Methodologies
- **Topic 4:** Ethical Considerations in AI Auditing
- **Topic 5:** Understanding the Lifecycle of AI Systems from development to deployment
- **Reflection & Review:** Reviewing AI Governance and Risk Frameworks for effective auditing

Day 2: AI Governance and Risk Management

- **Topic 1:** AI Governance Structures: Key Roles and Responsibilities
- **Topic 2:** Risk Management in AI: Identifying, Assessing, and Mitigating Risks
- **Topic 3:** Data Privacy and AI Auditing: Ensuring Data Security and Compliance
- **Topic 4:** Audit Controls for AI Systems in the Regulatory Landscape
- **Topic 5:** Exploring Bias, Fairness, and Accountability in AI Systems
- **Reflection & Review:** Evaluating AI Risks and Controls in Organizational Context

Day 3: Advanced AI Risk Assessment Tools

- **Topic 1:** Implementing AI Risk Assessment Frameworks for AI Systems
- **Topic 2:** AI Compliance and Security Tools for Audit Procedures
- **Topic 3:** Using AI Audit Tools for Machine Learning Model Auditing
- **Topic 4:** Practical Case Study: AI Audit of a Healthcare AI System
- **Topic 5:** Advanced Techniques for Identifying and Mitigating AI System Bias
- **Reflection & Review:** Advanced Audit Practices for Ensuring AI System Integrity



Day 4: Model Governance and Risk Control

- **Topic 1:** Managing AI Model Risks: Evaluation and Governance Frameworks
- **Topic 2:** Monitoring and Validating AI Model Behavior and Performance
- **Topic 3:** Role of the Auditor in AI System Design and Monitoring
- **Topic 4:** Auditing AI-driven Decisions and Outcomes for Transparency
- **Topic 5:** Legal and Ethical Considerations in AI Auditing
- **Reflection & Review:** Hands-on Audit Simulation with AI Governance Controls

Day 5: Final AI Audit Simulation and Review

- **Topic 1:** Comprehensive Review of AI Audit Tools and Techniques
- **Topic 2:** Real-World Application of AI Audit in Risk Management
- **Topic 3:** Final AI Audit: Preparing for Real-World AI Auditing Scenarios
- **Topic 4:** Reviewing AI Governance Structures and Internal Controls
- **Topic 5:** Preparing Your AI Audit Report: Best Practices and Reporting Standards
- **Reflection & Review:** Final Q&A and Actionable Insights for Implementing AI Audits

FAQ:

What specific qualifications or prerequisites are needed for participants before enrolling in the course?

Participants should ideally have experience in IT auditing, risk management, or a related field. Familiarity with AI technologies and basic auditing frameworks is recommended.

How long is each day's session, and is there a total number of hours required for the entire course?

Each session lasts approximately 4-5 hours, including breaks and interactive activities. The entire course spans five days with a total of 20-25 hours of instruction.

Can AI Auditing Tools Be Used in Real-Time Auditing?

Yes, AI auditing tools can be integrated into live environments for continuous monitoring, providing auditors with real-time insights into the performance and risks of AI models.



How This Course is Different from Other AI Audit Courses:

This course uniquely combines the latest AI governance and risk frameworks with practical tools and techniques for auditing AI systems. Unlike other programs, it emphasizes the application of real-world auditing skills, using case studies and hands-on exercises to ensure participants can audit AI models and systems effectively. It also integrates industry-recognized frameworks, providing participants with a well-rounded understanding of AI audit practices.



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