informatech

IT MANAGEMENT AND CYBER SECURITY | IMCS-010

# IT Auditing

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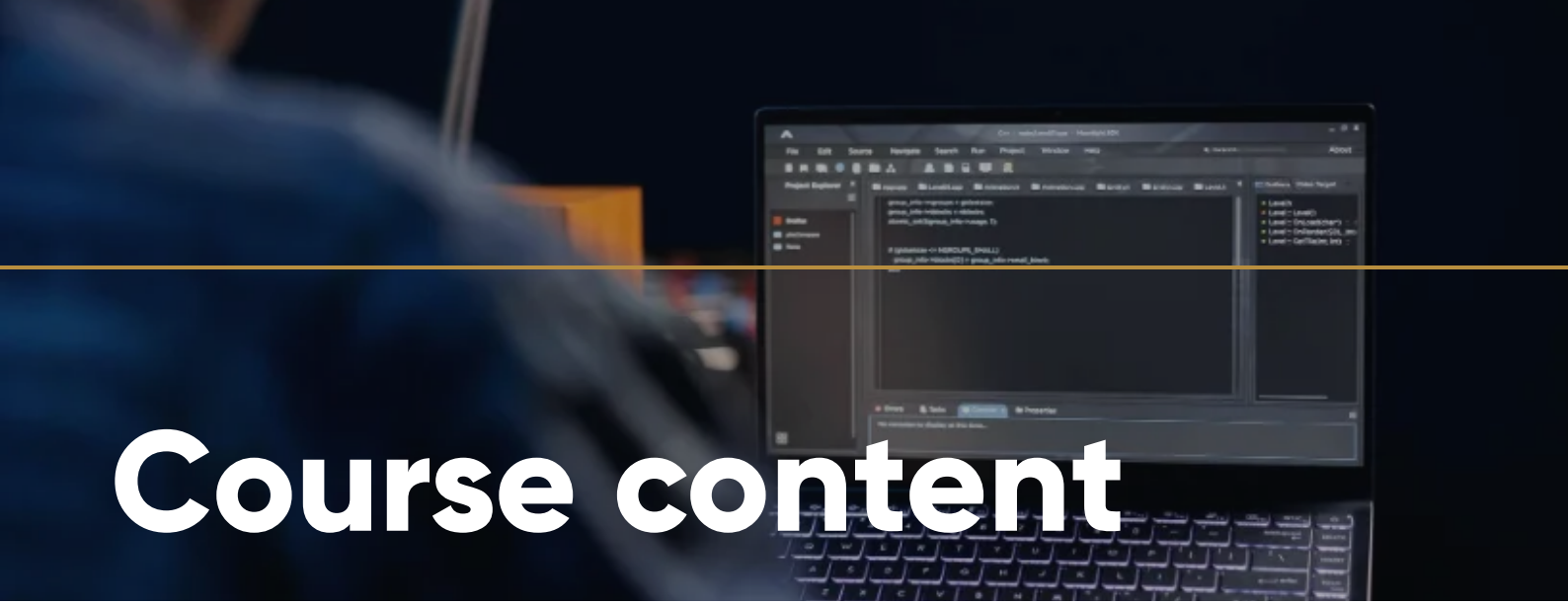


# Course content

## Why Attend

Why Attend Information Technology is at the heart of modern business operations, making effective IT auditing essential for managing risks, ensuring compliance, safeguarding information assets, and supporting organizational objectives. This course provides participants with practical knowledge and techniques to plan, execute, and report on IT audits while evaluating controls, identifying risks, and delivering value-added recommendations.

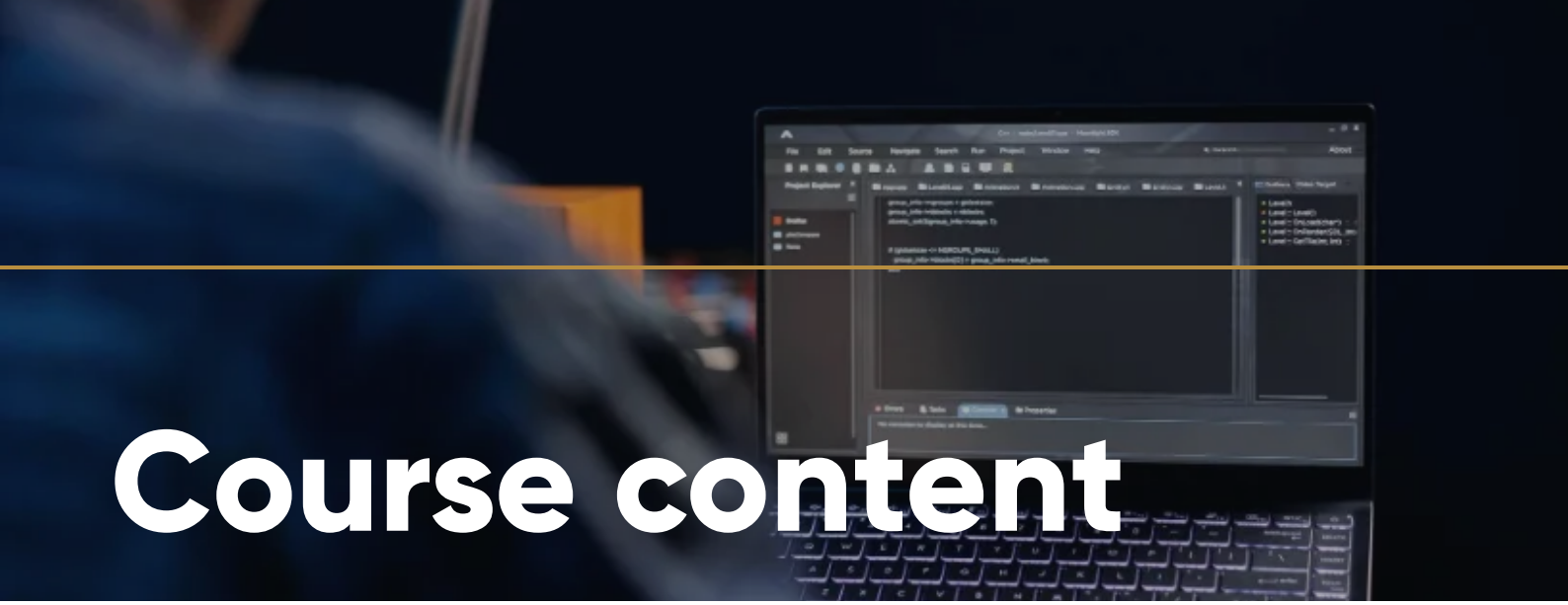
Course Methodology The course combines presentations, practical workshops, case studies, audit simulations, hands-on exercises, group discussions, and real-world IT audit scenarios to strengthen practical auditing capabilities.

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

- Understand the principles and objectives of IT auditing
- Apply IT governance and risk management concepts within audit engagements
- Assess IT risks and evaluate technology controls effectively
- Conduct IT audits using structured methodologies and standards
- Gather, analyze, and document audit evidence professionally
- Develop impactful audit reports and recommendations
- Support continuous improvement and technology governance initiatives

## Target Audience

- Internal and external auditors
- IT auditors
- Risk management professionals
- Information security professionals
- Compliance officers
- IT managers and supervisors



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## Target Audience

• Professionals involved in governance, risk, and control activities

## Target Competencies

• IT auditing

• IT risk assessment

• Control evaluation and testing

• Audit planning and execution

• Governance and compliance

• Information security awareness

• Audit reporting

• Analytical thinking

## Course outline

### Day 1: Foundations of IT Auditing

• Understanding the role of IT auditing in governance, risk management, and organizational assurance

• Exploring key concepts, terminology, and principles of IT auditing

• Reviewing leading IT governance and control frameworks used in audit activities

• Understanding the relationship between IT governance, security, and risk management

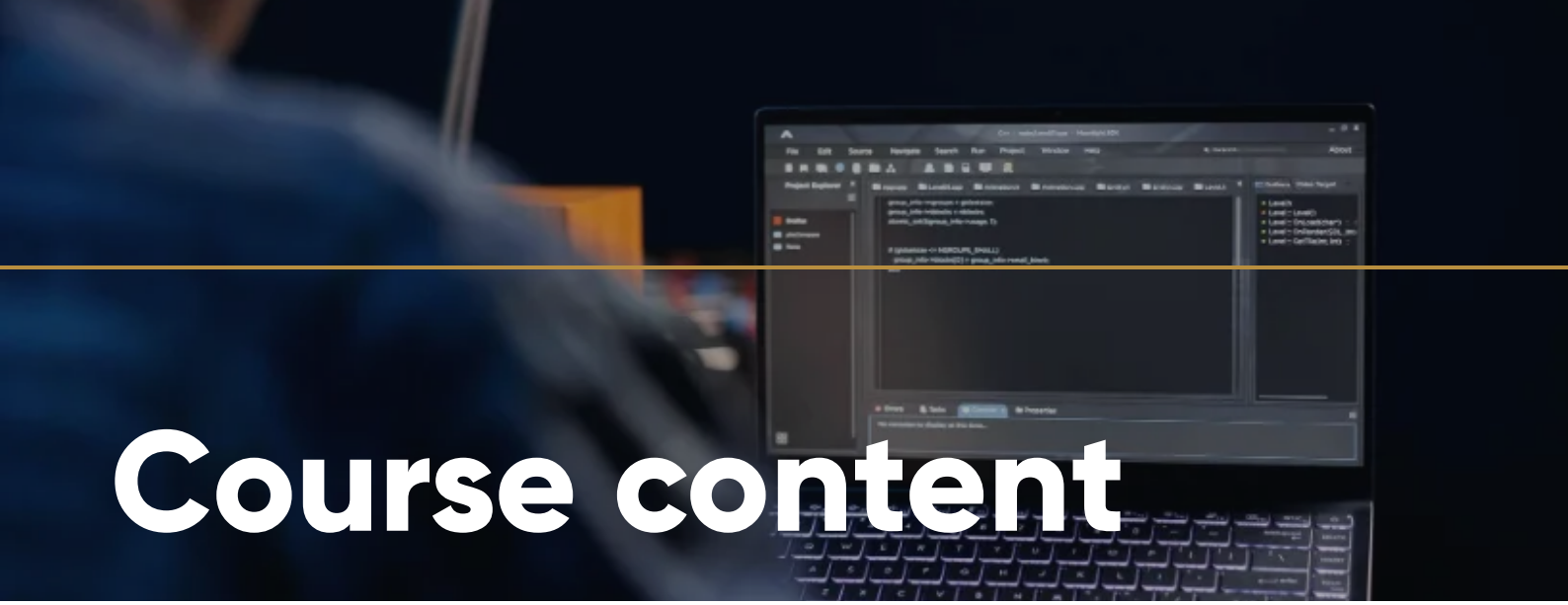
• Defining audit scope, objectives, and engagement requirements

• Developing risk-based IT audit plans and audit programs

• Practical workshop: Creating an IT audit planning framework

### Day 2: IT Risk Assessment and Control Evaluation

• Understanding risk management principles within technology environments



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## Course outline

• Identifying and evaluating IT-related risks and vulnerabilities

• Assessing general IT controls and application-level controls

• Reviewing access management, change management, and operational controls

• Applying testing methodologies to evaluate control effectiveness

• Understanding control deficiencies and risk implications

• Practical case study on IT risk assessment and control evaluation

### Day 3: Conducting IT Audits and Gathering Evidence

• Applying audit techniques for collecting and analyzing technology-related information

• Conducting interviews, observations, and walkthroughs effectively

• Documenting audit evidence and maintaining professional work papers

• Evaluating evidence quality, reliability, and relevance

• Utilizing data analysis techniques to support audit objectives

• Performing control testing and validation activities

• Practical workshop: Executing IT control testing procedures

### Day 4: Reporting and Communicating Audit Results

• Structuring professional and effective IT audit reports

• Communicating audit findings clearly and objectively

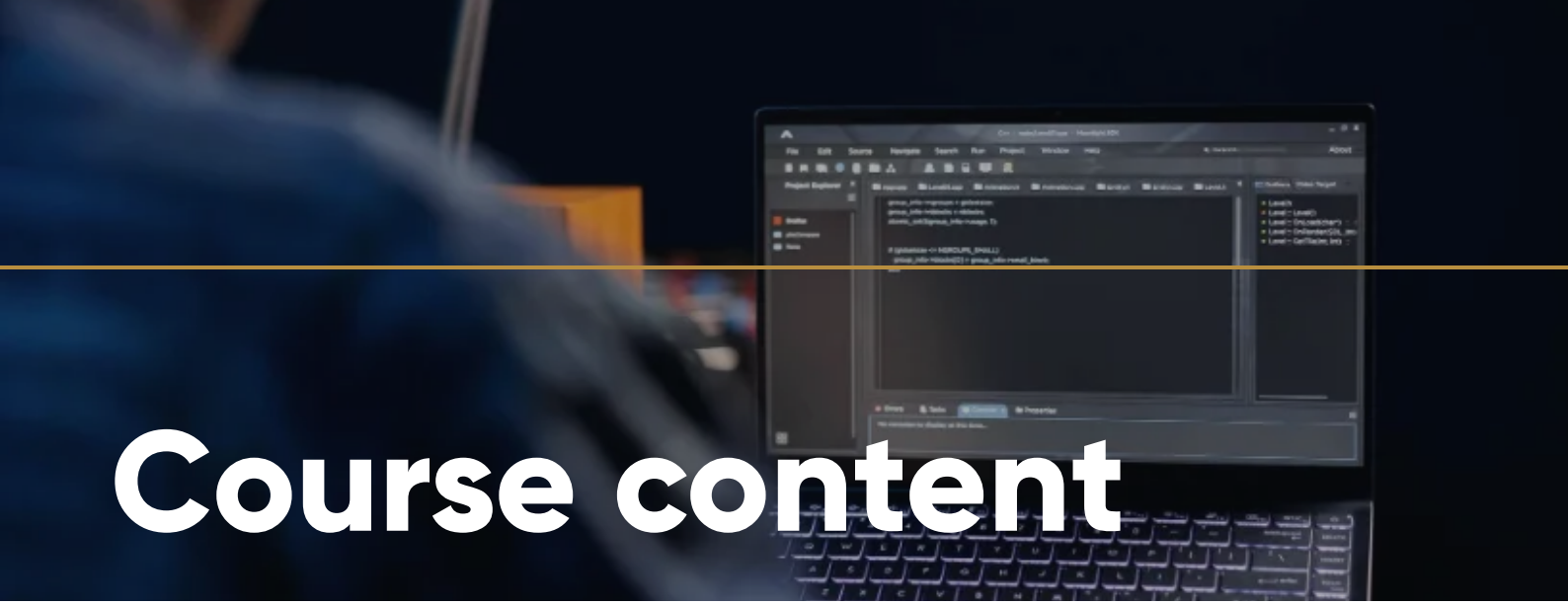
• Developing practical recommendations that support improvement initiatives

• Understanding report quality assurance and review processes

• Presenting audit conclusions to management and stakeholders effectively

• Managing stakeholder expectations during the reporting process

• Group exercise: Developing and presenting an IT audit report



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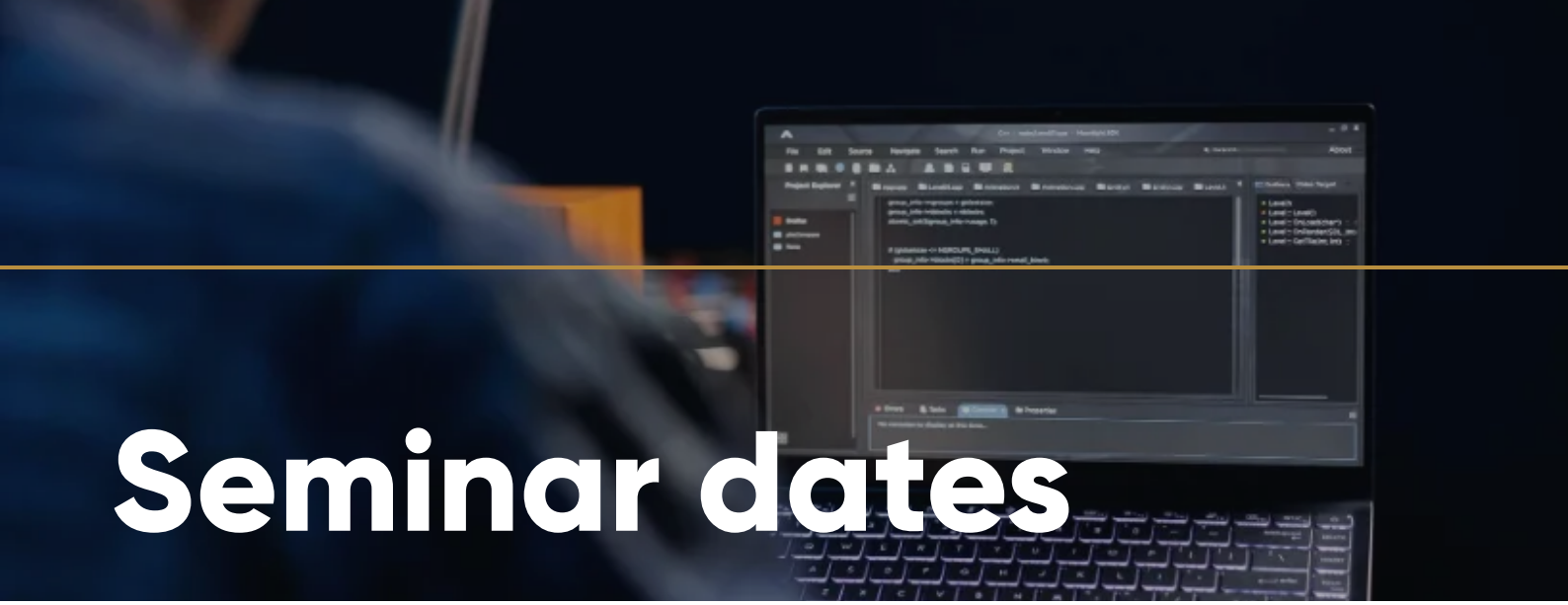
### Day 5: Continuous Auditing and Emerging Trends

- Following up on audit findings and monitoring corrective actions
- Understanding continuous auditing and continuous monitoring approaches
- Leveraging automation and analytics within modern IT auditing practices
- Exploring the impact of artificial intelligence on audit processes
- Understanding professional ethics and auditor responsibilities
- Developing personal and organizational improvement plans for IT audit excellence
- Final presentations, lessons learned, and course evaluation



# Seminar dates

## Available seminar dates

Live dates and pricing for IT Auditing generated from the course details page.

| Date | Location | Format | Fee |
|---|---|---|---|
| Dates on request | Venue on request | Classroom | **Contact us** |

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|---|---|
| **Live online option** | Online delivery is available at €1,850.-. |