



دورة تدريبية في إدارة المخاطر الخاصة بأنظمة تكنولوجيا المعلومات وحمايتها



AGILE LEADERS
Training Center

17 - 21 Aug 2027
الدار البيضاء

دورة تدريبية في إدارة المخاطر الخاصة بأنظمة تكنولوجيا المعلومات وحمايتها

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Course Overview

In today's digital era, IT systems and infrastructures face a growing array of risks, from cyberattacks to natural disasters. Effective IT risk management is crucial for safeguarding organizational assets, ensuring compliance, and maintaining business continuity.

This 5-day training program provides participants with the knowledge and tools needed to identify, assess, and mitigate IT risks. Through hands-on workshops, real-world case studies, and strategic frameworks, participants will gain the expertise required to protect IT systems and infrastructures effectively.

Target Audience

- IT managers and team leads.
- Risk management professionals.
- Cybersecurity specialists.
- System administrators and IT infrastructure professionals.
- Business leaders seeking to enhance IT resilience.

Targeted Organizational Departments:

- IT Security & Risk Management Teams
- Cybersecurity & Compliance Departments
- Enterprise IT & Network Administration
- Business Continuity & Disaster Recovery Planning Units
- Governance, Risk, and Compliance GRC Offices

Targeted Industries:

- Financial Services & Banking
- Healthcare & Pharmaceuticals
- Government & Public Sector
- Energy & Utilities
- Retail & E-commerce
- Technology & Telecommunications

Course Offerings:

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

- Conduct IT security risk assessments using ISO 31000, COBIT, and NIST frameworks
- Develop IT risk mitigation strategies tailored to organizational needs
- Implement IT governance and risk management techniques to ensure compliance
- Identify and assess cybersecurity threats in IT infrastructure
- Utilize IT risk analysis tools such as heat maps, risk matrices, and threat modeling techniques
- Plan and execute IT disaster recovery and incident response strategies
- Monitor and report IT risk using dashboards, KPIs, and governance tools
- Address emerging risks in cloud computing, IoT, AI, and machine learning security

Training Methodology:

This course combines practical exercises, case studies, and interactive discussions to ensure real-world applicability:

- Instructor-led interactive lectures to provide foundational IT risk management knowledge
- Workshops and simulations for hands-on practice with IT risk assessment tools
- Case studies based on real-world cybersecurity incidents and IT governance challenges
- Risk modeling group activities to assess and mitigate cybersecurity threats
- Final project: Participants will develop a comprehensive IT risk management plan

Course Toolbox:

- IT risk management frameworks & best practices documentation
- IT risk analysis tools & risk assessment templates
- Cybersecurity incident response & disaster recovery playbooks
- Access to curated online resources for IT compliance and governance
- Case studies on IT risk management strategy

Course Agenda:

Day 1: Introduction to IT Risk Management

- Understanding IT risks: Types, sources, and impacts **Topic 1:**
- Key concepts in IT risk management: Risk appetite, tolerance, and residual risk **Topic 2:**
- Overview of IT risk management frameworks: ISO 31000, COBIT, and NIST **Topic 3:**
- Identifying potential IT risks in different organizational contexts **Topic 4:**
- Business continuity and IT risk management **Topic 5:**
- IT compliance and regulatory requirements **Topic 6:**
- Recap of key learnings and interactive Q&A **Reflection & Review:**

Day 2: Risk Identification and Assessment

- Techniques for identifying IT risks: Threat modeling and risk mapping Topic 1: •
- Conducting IT risk assessments: Qualitative vs. quantitative methods Topic 2: •
- Tools for risk analysis: Heat maps, risk matrices, and impact-likelihood assessments Topic 3: •
- Evaluating cybersecurity risk assessment methodologies Topic 4: •
- IT risk assessment best practices Topic 5: •
- Case study: Creating a risk assessment plan for an IT system Topic 6: •
- Recap and discussion on lessons learned Reflection & Review: •

Day 3: Mitigation Strategies and IT Controls

- Developing IT risk mitigation strategies: Avoidance, transfer, reduction, acceptance Topic 1: •
- Implementing IT controls: Preventive, detective, and corrective measures Topic 2: •
- Incident response planning and disaster recovery strategies Topic 3: •
- IT governance and risk management strategies Topic 4: •
- IT security risk analysis and response planning Topic 5: •
- Case study: Evaluating the effectiveness of IT risk controls Topic 6: •
- Interactive session and lessons recap Reflection & Review: •

Day 4: IT Risk Monitoring & Governance

- Continuous monitoring of IT risks using tools and technologies Topic 1: •
- IT risk reporting frameworks: Dashboards, KPIs, and compliance tracking Topic 2: •
- IT governance frameworks for cybersecurity risk management Topic 3: •
- Risk management for IT systems in enterprise environments Topic 4: •
- Addressing IT risk challenges in modern infrastructures Topic 5: •
- Aligning IT risk management with business objectives Topic 6: •
- Discussion and case study review Reflection & Review: •

Day 5: Emerging Trends & Best Practices

- Managing IT risks in cloud computing and hybrid environments Topic 1: •
- IoT risk assessment and security considerations Topic 2: •
- AI and machine learning security risks Topic 3: •
- Ransomware risk mitigation strategies Topic 4: •
- Final project: Developing a comprehensive IT risk management plan Topic 5: •
- Presentations and expert feedback session Topic 6: •
- Course wrap-up and final Q&A Reflection & Review: •

FAQ:

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

There are no strict prerequisites. However, a basic understanding of IT security principles and risk management concepts is beneficial. Professionals from IT, cybersecurity, risk management, or compliance backgrounds will gain the most from this training.

How long is each day's session, and what is the total number of hours for the entire course? •

Each day's session is structured to last 4-5 hours, with breaks and interactive activities included. The total course duration spans five days, approximately 20-25 hours of instruction.

How does IT risk management differ from cybersecurity risk assessment? •

IT risk management covers all risks affecting IT systems, including technical, operational, compliance, and financial risks. Cybersecurity risk assessment, however, focuses specifically on threats to IT security, such as hacking, data breaches, and malware attacks. This course integrates both perspectives to provide a holistic risk management approach.

How This Course is Different from Other IT Risk Management Courses:

Unlike other IT risk management courses, this program stands out due to its:

- A deep dive into IT risk management, cybersecurity, and IT governance **Comprehensive Coverage:** •
frameworks.
- Interactive simulations, case studies, and real-world applications. **Hands-On Approach:** •
- Dedicated modules on AI, IoT, ransomware, and cloud security risks. **Focus on Emerging Risks:** •
- Taught by industry professionals with practical experience in risk assessment and **Expert-Led Training:** •
mitigation.
- Participants leave with a tailored IT risk management plan, ready for implementation in their **Final Project:** •
organizations.

فئات الدورات التدريبية

الدورات التدريبية في مجال البيئة والاستدامة	دورات إدارة الجودة وتطوير العمليات
دورات إدارة و تحليل البيانات ودورات علم البيانات	دورات إدارة و تطوير الموارد البشرية
دورات الذهن السيرياني ودورات تقنية المعلومات	دورات الاتصال الجماهيري و السياسات والعلاقات العامة
دورات التدريب القانوني والهشتريات والتعاقدات	دورات التسويق وإدارة علاقات العملاء وإدارة المبيعات
دورات الحوكمة وإدارة المخاطر والامتثال	دورات السكرتارية و إدارة المكاتب
دورات الصحة والسلامة والذهن المهني	دورات الصيانة ودورات المجالات الهندسية المتنوعة
دورات المحاسبة و التهويل و دورات الإدارة المالية	دورات المهارات الشخصية وتطوير الذات
دورات في مجالات القيادة والإدارة	دورات معتمدة من قبل هيئات دولية
دورات مكتب إدارة المشاريع وإدارة المشاريع الرشيقية	



معدن التدريب

أكرا غانا	أثينا اليونان	أبوظبي الإمارات العربية المتحدة
الجبيل المملكة العربية السعودية	استنبول تركيا	أهستردام هولندا
الرياض المملكة العربية السعودية	الدوحة قطر	الدار البيضاء المغرب
المنامة مملكة البحرين	الكويت الكويت	القاهرة مصر
بانكوك تايلند	باكو أذربيجان	باريس فرنسا
برلين ألمانيا	برشلونة إسبانيا	براغ جمهورية التشيك
تيليسي جورجيا	بوكيت تايلاند	بورتو البرتغال
جنيف سويسرا	جاكارتا جمهورية إندونيسيا	تورنتو كندا
روما إيطاليا	حلي الإمارات العربية المتحدة	جوهانسبرغ جنوب أفريقيا
سنغافورة سنغافورة	سان دييغو الولايات المتحدة الأمريكية	زنجان تنزانيا
شيكاغو الولايات المتحدة الأمريكية	شرم الشيخ مصر	سيول كوريا الجنوبية
طوكيو اليابان	طشقند أوزبكستان	طرابزون تركيا
فرانكفورت ألمانيا	عن بعد منصة زووم	عمان المملكة الأردنية الهاشمية

مدن التدريب

كيب تاون جنوب افريقيا	كوالالمبور ماليزيا	فيينا النمسا
لندن المملكة المتحدة	لشبونة البرتغال	لانكاوي ماليزيا
مسقط سلطنة عمان	هدريد اسبانيا	ماربيا اسبانيا
ميونخ ألمانيا	ميلان إيطاليا	مونترو سويسرا
	نيويورك الولايات المتحدة الأمريكية	نيروبي كينيا