

Risk Management 101 for IT Professionals: Essential Concepts

Instructor: Alton Hardin

Course Curriculum

Section 1: Course Introduction

- Welcome to the Course!
- Why Learn IT Risk Management from Me?
- Course Lecture PDFs

Section 2: Understanding Risk

- Section Introduction
- What is a Risk?
- What is an Issue?
- What is Risk Management?
- Who Uses Risk Management?
- The Elements of Risk
- Assets, Threats, Vulnerabilities and Risks
- Tangible and Intangible Assets
- The Three Categories of Threats
- Common IT Vulnerabilities
- Risk Categories
- The Risk Management Lifecycle
- **Quiz 1: Understanding Risk Section Quiz**

Section 3: Why We Need Risk Management

- Section Introduction
- Why do We Need Risk Management?
- Legal and Regulatory Concerns
- Deeper Dive Look at IT Vulnerabilities
- The State of Cybersecurity
- Student Exercise: Colonial Pipeline Case Study Analysis

Section 4: Risk Identification

- Section Introduction
- The Role of Risk Appetite and Tolerance
- Identifying IT Risks
- IT Security Assessments
- SWOT Analysis Case Study: Cloud Computing
- Understanding Risk Interdependencies
- **Quiz 2: Risk Identification Section Quiz**

Section 5: Risk Assessments

- Section Introduction
- Types of Risk Assessments
- Qualitative Risk Assessments
- Quantitative Risk Assessments
- Sample Risk Assessment Scenarios
- **Quiz 3: Risk Assessments Section Quiz**

Section 6: Risk Responses and Controls

- Section Introduction
- The Four Risk Response Categories
- Risk Avoidance and Acceptance
- Risk Mitigation and Transference
- Understanding Security Controls
- Combined Risk Response Activities
- Understanding Residual Risk
- **Quiz 4: Risk Responses and Controls Section Quiz**

Section 7: The Risk Register

- Section Introduction
- What Is a Risk Register?
- Benefits of a Risk Register
- Risk Register Walk-Through

Section 8: Risk Monitoring and Control

- Section Introduction
- Monitoring & Control
- Two Methods of Risk Monitoring
- Risk Monitoring Tools
- The Risk PMO, Champions and Advocates
- **Quiz 5: Monitoring and Control Section Quiz**

Section 9: Why Risk Management Fails

- Why Risk Management Fails

Section 10: Conclusion & Next Steps

- Course Recap & Conclusion