BOARD INFINITY

COURSE 2 OF 3 · CYBERSECURITY FUNDAMENTALS WITH CISCO TOOLS

Risk Assessment and Management in Cybersecurity

Full course syllabus - every module, video lesson, reading and assignment, from IT risk categories to risk governance.

Board Infinity
Instructor · Offered on Coursera

3	27	12	9 hours
Modules	Video lessons	Assignments	Self-paced

INSIDE THE COURSE

01	Understanding IT Risk	3 hours to complete
02	Conducting Risk Assessments	3 hours to complete
03	Risk Mitigation and Strategic Planning	3 hours to complete

Enroll on Coursera

https://www.coursera.org/learn/risk-assessment-and-management-in-cybersecurity

01 ABOUT THE COURSE

Manage cyber risk the way the business sees it.

This course equips you to identify, evaluate and manage IT risks in alignment with business goals - from IT risk categories and frameworks like ISO 31000 and NIST to the new vulnerabilities brought by AI, cloud computing and IoT.

You'll conduct qualitative and quantitative risk assessments, develop mitigation and business continuity plans, and establish a culture of risk awareness - through case studies and real-world examples. 27 videos, 9 readings and 12 assignments in all.

WHO IT'S FOR

IT professionals
Assessing risk in the systems they run.

Cybersecurity analysts
Turning threats into prioritized risk decisions.

Business leaders
Weighing risk appetite and continuity planning.

Risk & compliance
Working with ISO 31000, NIST and governance.

WHAT YOU'LL LEARN

01 **Understand IT risk** Module 1
Understand IT risk categories, business impacts, and frameworks like ISO 31000 and NIST

02 **Assess and prioritize** Module 2
Analyze and evaluate IT risks with qualitative and quantitative methods, and prioritize by business goals

03 **Mitigate and plan for continuity** Module 3
Apply risk controls and response strategies, and develop business continuity plans

04 **Build a risk-aware culture** Module 3
Integrate risk management with strategy through governance aligned to industry standards

02 SYLLABUS

Three modules, risk sources to risk culture.

About 9 hours to complete. Flexible schedule - learn at your own pace.

01 Understanding IT Risk

3 hours

Risk categories, frameworks, risk identification and emerging risks

9 videos

BY THE END OF THIS MODULE YOU CAN

- Define IT risk categories and their impact on business objectives
- Apply ISO 31000 and NIST, and use risk registers, matrices and scoring
- Recognize emerging risks from cloud, IoT, AI and machine learning

CONTENTS: 9 videos (59 min) · 3 readings (30 min) · 4 assignments (75 min)

PLUGIN: Quick Course Check-In (5 min)

TOPICS: IT Risk Fundamentals · Risk Identification Techniques · Emerging IT Risks

You'll leave with: a clear picture of where IT risk comes from, and how to record it.

02 Conducting Risk Assessments

3 hours

Qualitative and quantitative analysis, prioritization and risk management

9 videos

BY THE END OF THIS MODULE YOU CAN

- Run qualitative and quantitative risk assessments
- Measure impact and likelihood against risk appetite and tolerance
- Implement controls with continuous monitoring and improvement

CONTENTS: 9 videos (75 min) · 3 readings (30 min) · 4 assignments (75 min)

TOPICS: Risk Assessment Methodologies · Risk Evaluation and Prioritization · Practical Risk Management

You'll leave with: a repeatable way to assess, score and prioritize risks.

03

Risk Mitigation and Strategic Planning

3 hours

Response strategies, business continuity, and risk culture and governance

9 videos

BY THE END OF THIS MODULE YOU CAN

- Choose risk responses - avoidance, transfer and mitigation - with cost-benefit analysis
- Develop business continuity and disaster recovery plans
- Build resilience and apply crisis management techniques
- Foster a risk-aware culture with governance aligned to industry standards

CONTENTS: 9 videos (69 min) · 3 readings (30 min) · 4 assignments (75 min)

TOPICS: Developing Risk Mitigation Strategies | Business Continuity Planning | Risk Culture and Governance

You'll leave with: a mitigation and continuity plan, and the governance to keep risk part of strategy.

03 TOOLS & SKILLS

The frameworks and techniques you use.

ISO 31000 & NIST

Module 1

The common risk frameworks the course is built around.

In this course: Structuring how risk is identified and managed.

Risk registers & matrices

Module 1

Registers, matrices and scoring models.

In this course: Identifying, recording and comparing risks.

Qualitative & quantitative analysis

Module 2

Impact, likelihood, risk appetite and tolerance.

In this course: Prioritizing risks by business goals.

Continuity & governance

Module 3

Business continuity, disaster recovery and governance frameworks.

In this course: Resilience, crisis management and risk culture.

SKILLS YOU LEAVE WITH

Cyber risk

- Cybersecurity
- Cyber Risk
- Information Technology
- Emerging Technologies

Risk analysis

- Risk Analysis
- Risk Management
- Risk Management Framework
- Risk Mitigation

Resilience

- Business Continuity
- Business Continuity Planning
- Crisis Management

04 CERTIFICATE & CAREER

Finish with a shareable certificate.

Add it to LinkedIn
Add this credential to your LinkedIn profile, resume, or CV.

Share it anywhere
Share it on social media and in your performance review.

Earned, not attended
Awarded on a graded quiz in each of the three modules.

Course 2 of 3
Part of the Cybersecurity Fundamentals with Cisco Tools Specialization.

WHERE THESE SKILLS COUNT

Cybersecurity Analyst · IT Risk Analyst · GRC Analyst · Information Security Manager · Risk Manager · Business Continuity Planner



Board Infinity
Instructor · Offered on Coursera · 287 courses

Intermediate level · English + 26 languages · Flexible schedule

Ready to manage cyber risk?

Enrollment, lessons, grading and the certificate all happen on Coursera.

Enroll on Coursera

Course page: coursera.org/learn/risk-assessment-and-management-in-cybersecurity

Want a coach alongside the course?

Board Infinity 1:1 coaching is a separate, optional Board Infinity offering - it is not part of the Coursera course. Details: https://www.boardinfinity.com/career-coaching/

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