

Network

IT Risk Analysis

IDENTIFICATION

CODE : TC-5-SI-EC-ARC
ECTS : 2.0

HOURS

Lectures : 0.0 h
Seminars : 32.0 h
Laboratory : 0.0 h
Project : 0.0 h
Teacher-student
contact : 32.0 h
Personal work : 16.0 h
Total : 48.0 h

ASSESSMENT METHOD

report evaluation by day

TEACHING AIDS

TEACHING LANGUAGE

French

CONTACT

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AIMS

Through the study of two methodologies of risk analysis in information security, this option offers to guide you step by step to a project oriented pedagogy, towards the design of a security architecture resulting from a A rational approach to risk analysis, because ultimately a security architecture and its various technical, organizational and economic components are only the expression of security measures aimed at reducing or eliminating the risk of the information system. You will work in groups on case studies and most of the work will have to be done during the session. The requested work will include essays at each stage of the project.

I emphasize that this is a NON-TECHNICAL option oriented to information security management and that does not follow any teaching of 4TC.

This EC contributes to the following skills:

C8 Operate, analyze, improve digital systems

Capacity: Analyze strategic issues,

Capacity: Security audit to identify threat scenarios, characterize and assess risks,

Capacity: Produce a risk treatment plan

Knowledge: Study and use two different methods of risk analysis

Knowledge: Study of the standard iso27005

In addition, it requires the following skills:

A6 Communicate an analysis or a scientific approach with scenarios adapted to their specialty

B3 Interact with others, work in a team

B4 Show creativity, innovate, undertake

B2 Work, learn, evolve autonomously

CONTENT

Day 1 : Concepts, Risk standards, methods

Day 2 : Study Case : Global Risk analysis , defence /feedback

Day 3 : Study Case : SI audit and risk evaluation and assesment

Day 4 : Study Case : SI audit and risk analyse and Risk treatment

Day 5 : Study Case : SI audit and risk treatment, and defence / feedback

Day 6 : Study Case : Global solution of IS security architecture with results of :2:3:4:5.

Day 7 : Study Case : IS security architecture

Day 8 : Study Case : Defence of the global solution / feedback