Information Security Risk Management

Module Code	Workload	Credits	Semester	Frequency of Module	Duration
	180 hrs.	6	1	Only summer semester	1 Semester

1	Module Components	Teaching Language	Contact Hours	Self Study	Class Size
	a) Information Security Risk Management, Part 1 b) Information Security Risk Management, Part 2	a) English b) English	a) 22,5 hrs. b) 22,5 hrs.	a) 67,5 hrs. b) 67,5 hrs.	a) 15 b) 15

2 Learning Outcomes

On successful completion of this module a student are able to

Comprehension (2)
... present information security risk management methods.
... explain the role of risk management in information security.

Application (3)
... choose and apply a risk assessment methodology.

Analysis (4)
... analyse and explain the results of a risk assessment.

Evaluation (6)
... defend and question the application of a risk assessment method and the results of a risk assessment.

3 Individual Component Content

a) Information Security Risk Management, Part 1:

- Overview of information security management
- Risk management in information security
- Methods for information security risk assessment
- Common threats and vulnerabilities
- State-of-the-art controls to reduce risks to information systems
- Current topics in information security e.g. APTs

b) Information Security Risk Management, Part 2:

- Depends on the selected topic

4	**Teaching Methods** a) Seminar b) Seminar
5	**Prerequisites** no specific prerequisites
6	**Methods of Assessment** Modulprüfung Information Security Risk Management 1A (70%) (Practical Work) (4 LP)1[1] Modulprüfung Information Security Risk Management 1sbPN (30%) (Presentation) (2 LP)1[1]
7	**Applicability of Module** Risikoingenieurwesen M.Sc. (RIW)
8	**Person Responsible for Module** Prof. Dr. Dirk Koschützki (Module Responsible) Prof. Dr. Dirk Koschützki (Lecturer)
9	**Reading List (Core Texts and Recommended Texts)** a) ISO/IEC 27001:2013 und ISO/IEC 27005:2011 NIST SP 800-30 Rev.1, SP 800-39, 800-37 Rev.1 b) COBIT 5 for Risk BSI 100-3 and 200-3 Information Security Risk Assessment Toolkit, M. Talabis and J. Martin, Syngress, 2012

[1] This graded assessment is only considered passed when all components of the assignment have received a minimum grade of "adequate", (4.0).