Technology
Arts Sciences
TH Köln

Course
EBS - Embedded Security

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⌃ General information

Long name	Embedded Security
Approving CModule	EBS_MaCSN
Responsible	Prof. Dr. Kerstin Lemke-Rust Professor Hochschule Bonn-Rhein-Sieg
Level	Master
Semester in the year	summer semester
Duration	Semester
Hours in self-study	96
ECTS	5
Professors	Prof. Dr. Kerstin Lemke-Rust Professor Hochschule Bonn-Rhein-Sieg
Requirements	- Basics of IT Security - basic knowledge applied cryptographi and known algorithms as DES, AES, RSA, DSA
Language	German
Separate final exam	Yes

Final exam

Details
oral examination

Minimum standard
regular attendance of the labs and solving of the problems

Exam Type

oral examination

^ Lecture / Exercises

Learning goals

Knowledge

The course deals with basics and advanced subjects of embedded security, i.e. the implementation of embeded security.

Skills

students are able to work on actual subjects in the field of embedded security. they can implement advanced methods of security in security sensitive products, analyse vulnerabilities, and rate security measures in regard of their effectivity.

Expenditure classroom teaching

Type	Attendance (h/Wk.)
Lecture	2
Exercises (whole course)	1
Exercises (shared course)	0
Tutorial (voluntary)	0

Separate exam

^ Practical training

Learning goals

Skills

students are able to work on actual subjects in the field of embedded security. they can implement advanced methods of security in security sensitive products, analyse vulnerabilities, and rate security measures in regard of their effectivity.

Expenditure classroom teaching

Type	Attendance (h/Wk.)
Practical training	0
Tutorial (voluntary)	0

Separate exam