

Course Manual ITS

IT Security

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– General information

Long name IT Security

Approving CModule [ITS BaET](#), [ITS BaTIN](#)

Responsible Prof. Dr. Heiko Knospe
Professor Fakultät IME

Valid from summer semester 2022

Level Bachelor

Semester in the year summer semester

Duration Semester

Hours in self-study 60

ECTS 5

Professors

Requirements -

Language German, English if necessary

Separate final exam Yes

Literature

C. Eckert, IT-Sicherheit, Oldenbourg Verlag

D. Gollmann, Computer Security, John Wiley & Sons

J. Schwenk, Sicherheit und Kryptographie im Internet, Springer Verlag

G. Schäfer, M. Roßberg, Netzsicherheit, dpunkt Verlag

W. Stallings, L. Brown, Computer Security: Principles and Practice, Pearson

N. Pohlmann, Cyber-Sicherheit, Springer Verlag

H. Knospe, A Course in Cryptography, American Mathematical Society

H. Kersten, G. Klett, J. Reuter, K.-W. Schröder, IT-Sicherheitsmanagement nach der neuen ISO 27001. Springer.

C. Paar, J. Pelzl, Kryptografie verständlich, Springer.

P. C. van Oorschot, Computer Security and the Internet, Springer.

Final exam

Details Written Exam

Minimum standard -

Exam Type

EN Klausur

– Lecture / Exercises

Learning goals

Goal type	Description
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Knowledge	-
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Special requirements

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Expenditure classroom teaching

Type	Attendance (h/Wk.)
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Lecture	2
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Exercises (whole course)	1
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Exercises (shared course)	1
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Tutorial (voluntary)	0
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Accompanying material	undefined
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Separate exam	No
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– Practical training

Learning goals

Goal type	Description
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Skills	-
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Special requirements

-

Expenditure classroom teaching

Type	Attendance (h/Wk.)
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Practical training	1
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Tutorial (voluntary)	0
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Accompanying material	Online course "Cybersecurity Essentials"
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Separate exam	Yes
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Separate exam

Exam Type	EN praxisnahes Szenario bearbeiten (z.B. im Praktikum)
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Details	-
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Minimum standard	-
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