

List of Doctoral Programme Course Units
for the doctoral study programme

Security Technologies, Systems and Management
(valid from the academic year 2025/26)

Compulsory Course Units

Course Unit	<u>Garant</u> Lectures, alternative examiners
English Language Angličtina	<u>Ing. Dagmar Svobodová, MSc.</u>
Mathematics Matematika	<u>Prof. Ing. Roman Prokop, CSc.</u> RNDr. Martin Fajkus, Ph.D. Ing. Pavel Martinek, Ph.D. Mgr. Jana Řezníčková, Ph.D.
Research Methodology Metodologie vědecké práce	<u>Assoc. Prof. Ing. Bronislav Chramcov, Ph.D.</u>

Compulsory Elective Course Units I ¹

Course Unit	<u>Garant</u> Lectures, alternative examiners
Security System Technology Technické prostředky bezpečnostního průmyslu	<u>Prof. Mgr. Milan Adámek, Ph.D.</u> Assoc. Prof. RNDr. Vojtěch Křesálek, CSc.
Advanced Theory of Security Pokročilá teorie bezpečnosti	<u>Prof. Ing. Martin Hromada, Ph.D.</u> Ing. Jan Valouch, Ph.D.

Compulsory Elective Course Units ²

Course Unit	<u>Garant</u> Lectures, alternative examiners
Security Management in Organization Bezpečnostní management v organizaci	<u>Prof. Mgr. Roman Jašek, Ph.D., DBA</u> Prof. Ing. Martin Hromada, Ph.D.
Security Prognostics Bezpečnostní prognostika	<u>Prof. Ing. Martin Hromada, Ph.D.</u> Ing. Jan Valouch, Ph.D.
Selected Chapters from Artificial Intelligence	<u>Prof. Ing. Roman Šenkeřík, Ph.D.</u>

¹ The student chooses one of two subjects (either the subject "Security System Technology" or "Advanced Theory of Security").

² The student chooses at least 2 subjects from a set of compulsory elective course units following the topic of his/her dissertation.

Vybrané kapitoly z umělé inteligence	Prof. Ing. Zuzana Oplatková Komínková, Ph.D.
Electromagnetic Compatibility of Security Devices Elektromagnetická kompatibilita zabezpečovacích zařízení	<u>Assoc. Prof. Ing. Martin Pospíšilík, Ph.D.</u> Assoc. Prof. RNDr. Vojtěch Křesálek, CSc. Prof. Mgr. Milan Adámek, Ph.D.
Electronic Circuits in Security Technologies Elektronické obvody v bezpečnostních technologiích	<u>Prof. Mgr. Milan Adámek, Ph.D.</u> Assoc. Prof. Ing. Martin Pospíšilík, Ph.D.
Selected Chapters from Forensic Science Vybrané kapitoly z forezních věd	<u>Assoc. Prof. RNDr. Vojtěch Křesálek, CSc.</u> Assoc. Prof. Ing. Milan Navrátil, Ph.D.
Crisis Management and Population Protection Krizové řízení a ochrana obyvatelstva	<u>Assoc. Prof. Ing. Martin Hromada, Ph.D.</u> Ing. David Šaur, Ph.D.
Science of Cyber Security Kybernetická bezpečnost	<u>Prof. Mgr. Roman Jašek, Ph.D., DBA</u> Prof. Ing. Roman Šenkeřík, Ph.D.
Systems Engineering Metody systémového inženýrství	<u>Prof. Mgr. Roman Jašek, Ph.D., DBA</u> Assoc. Prof. Ing. Bronislav Chramcov, Ph.D.
Modern Database Techniques Moderní databázové techniky	<u>Assoc. Prof. Ing. Zdenka Prokopová, CSc.</u> Assoc. Prof. Ing. Petr Šilhavý, Ph.D.
Critical Infrastructure and Soft Targets Protection Ochrana kritické infrastruktury a měkkých cílů	<u>Prof. Ing. Martin Hromada, Ph.D.</u> Ing. Lukáš Králík, Ph.D.
Advanced Technologies for Protecting Information and Communication Systems Pokročilé technologie ochrany informačních a komunikačních systémů	<u>Prof. Ing. Roman Šenkeřík, Ph.D.</u> Prof. Mgr. Roman Jašek, Ph.D., DBA Ing. David Malaník, Ph.D.
Multimedia Data Processing Zpracování multimediálních dat	<u>Prof. Ing. Zuzana Oplatková Komínková, Ph.D.</u> Prof. Ing. Roman Šenkeřík, Ph.D.
Selected Subject of Specialization ³ Předmět oboru	<u>Chair of Doctoral Studies Program Board</u> The examiner will be appointed by the chair of DSPB

NOTE: In the event of a possible conflict of interest between available examiners for a given subject (supervisor, consultant, relative, etc.), or long-term absence of examiners for a given subject, the DSP guarantor may assign another academic staff member to conduct the examination. The reason for the change of examiner is stated in the examination record (including statements from relevant persons).

³ The subject of study proposed by the supervisor and approved by the chairman of the doctoral study program board (subject that is part of an accredited DSP at another university in the Czech Republic or abroad).