Biometrics Project

every

(engl. Biometrics Project)

Modulnummer: FIN-INF-110415

Kürzel	CP	Semester	Fachsem.	Dauer	Sprache	Niveau
MMDAP	5	every	1.	1 Semester	deutsch	Bachelor

Link zum LSF:	LSF
Zugang beschränkt:	
Verantwortung:	Prof. Dr. Jana Dittmann
Dozent:in:	Prof. Dr. Jana Dittmann
Lehrveranstaltungen:	• Vorlesung *IT-Sicherheit und Digitale Selbstverteidigung* • Übung *IT-Sicherheit und Digitale Selbstverteidigung* • Vorlesung *Informatik & Kriminalistik* • Übung *Informatik & Kriminalistik*
Verwendbarkeit:	- B.Sc. INF: Informatik - Wahlpflicht - B.Sc. INF: Studienprofil: Forensik Design - B.Sc. CV: Computervisualistik - Wahlpflicht - B.Sc. INGINF: Informatik - Wahlpflicht - B.Sc. WIF: Gestalten und Anwenden - Wahlpflicht - B.Sc. INF (bilingual): Informatik - Wahlpflicht

Angestrebte Lernergebnisse:
The students ...

- are able to understand the requirements and possible solutions in the interaction of security, sensor technology and multimedia technology for an application example based on a selected technical question on cyber security
- can design components of multi-modal systems securely using an example and carry out a security assessment

- understand technical integration aspects and implement selected content from “Secure Systems” and “Algorithms and Data Structures”
- can carry out an evaluation and assessment of multi-modal systems and identify residual risks
- can recognize and reflect on challenges in teamwork
- can present the results in a presentation and take part in a discussion
- can understand security as a process in an ICT system and design and apply selected mechanisms

Inhalt:

- Introduction and fundamentals of selected technical issues relating to cyber security, sensor technology and multimedia technology
- Explanations based on application examples
- Design concepts for secure multi-modal systems for selected examples
- Approaches to security assessment
- Repetition: basics of teamwork, lecture is project-oriented

Arbeitsaufwand:
56h Attendance
94h independent work

Prüfungsvorleistungen:	**Studien-/Prüfungsleistungen:**	**Lehrform / SWS:**
	Report • The report comprises an independent and in-depth written examination of a question from the context of the course, including and targeted critical evaluation of relevant literature, as well as the presentation of one's own work, also in comparison in a team, and the communication and evaluation of one's own results in an oral presentation and in the subsequent discussion in the team. • The work must be submitted in writing.	Lecture (2 SWS) Exercise (2 SWS)

Voraussetzungen nach Prüfungsordnung:	**Empfohlene Voraussetzungen:**

none	

Medienformen:	**Literatur:**

Hinweise:

https://omen.cs.uni-magdeburg.de/itiamsl/deutsch/lehre/index.html

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