

Modul PSI-Sem-M Seminar Research Topics in Security and Privacy		3 ECTS / 90 h
<i>Seminar Research Topics in Security and Privacy</i>		
(seit WS18/19) Modulverantwortliche/r: Prof. Dr. Dominik Herrmann		
Inhalte: This seminar provides in-depth coverage of an advanced topic in an important field of information security and privacy. Participants form small groups and research in scientific sources (books and essays). While participants are expected to perform the actual research independently and mostly on their own, the instructors provide extensive support throughout the seminar. There will be several sessions on topics such as how to approach a topic, how to find relevant literature, how to read a paper efficiently, how to write a seminar report, and how to give a good talk. The goals of the seminar are achieved by asking participants to perform manageable chunks of work throughout the semester (such as summarizing literature in a survey, reviewing the survey of another group, writing a draft of the term paper, reviewing the draft of another group, etc.). They will receive timely feedback both by their peers and by the instructors. The actual topics are subject to change. A list of available topics is made available before the first session in UnivIS or on the website of the Privacy and Security in Information Systems Group.		
Lernziele/Kompetenzen: The participants learn to find, read, and summarize scientific texts. They also learn to assess statements and to discuss them critically. Finally, they learn to write scientific texts and to present their results in a talk. Students who participate in the optional peer review will also learn techniques to give useful feedback to others as well as how to accept feedback for one's own work.		
Sonstige Informationen: The default language in this seminar is English, unless all participants are fluent in German.		
Zulassungsvoraussetzung für die Belegung des Moduls: keine		
Empfohlene Vorkenntnisse: Participants should have basic knowledge in software engineering, foundations of computing, operating systems, and networks. Knowledge in information security and privacy (obtained, e.g., in PSI-IntroSP-B and another seminar in the field) is highly recommended.		Besondere Bestehensvoraussetzungen: keine
Angebotshäufigkeit: WS, jährlich	Empfohlenes Fachsemester:	Minimale Dauer des Moduls: 1 Semester
Lehrveranstaltungen		
Seminar Research Topics in Security and Privacy Lehrformen: Seminar Sprache: Englisch/Deutsch Angebotshäufigkeit: WS, jährlich		2,00 SWS

Inhalte:

cf. module description

Literatur:

- Alley: The Craft of Scientific Writing
- Anderson: Security Engineering
- Pfleeger et al.: Security in Computing
- Stallings & Brown: Computer Security: Principles and Practice
- Strunk & White: The Elements of Style

Other relevant literature is presented in the first session.

Prüfung

Seminararbeit, Präsentation / Prüfungsdauer: 30 Minuten

Bearbeitungsfrist: 3 Monate

Zulassungsvoraussetzung zur Modulprüfung:

Continuous attendance in the project sessions is mandatory, cf. §9 (10) APO.

zentral organisiert: nein

Beschreibung:

The module examination consists of two parts, a term paper (in English) and a talk (in English; in German if all participants are fluent in German). The maximum number of points that can be achieved in the module examination is 100. Details regarding the number of points that can be achieved in the talk and in the report will be announced in the first session of the project.

Optionally, participants can submit intermediary results (in English) such as surveys, written reviews for the work of other participants, and a draft of the term paper. Participants can thereby earn 20 bonus points. If the module examination is passed on its own (generally, this is the case when at least 50 points are obtained), the bonus points will be added to the points achieved in the module examination. The grade 1.0 can be achieved without the bonus points.