

| | | |
|--|----------------------------------|--|
| Modul PSI-Sem-B Seminar Security and Privacy Recommendations | | 3 ECTS / 90 h |
| <i>Seminar Security and Privacy Recommendations</i> | | |
| (seit SS18) | | |
| Modulverantwortliche/r: Prof. Dr. Dominik Herrmann | | |
| Inhalte: | | |
| <p>What aspects are most important to secure an information system? How do you generate secure passwords? Should you run a firewall and antivirus software? How can you prevent to be tracked on the internet? There is a wealth of partly contradictory answers to these questions in the literature.</p> <p>In this seminar, participants form small groups and research in scientific sources (books and essays) in order to find evidence that helps to answer these and similar questions in a profound way. During the semester contradictory answers are collected and various angles of a question are researched. Based on their findings participants derive differentiated and scientifically sound recommendations. They give a talk summarizing their findings and write them up in a term paper.</p> <p>While participants are expected to perform the actual research 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.</p> <p>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.</p> | | |
| Lernziele/Kompetenzen: | | |
| <p>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.</p> <p>Students who participate in an optional peer review phase will also learn techniques to give useful feedback to others as well as how to accept feedback for one's own work.</p> | | |
| 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: | | Besondere Bestehensvoraussetzungen: |
| Participants should have basic knowledge in software engineering, foundations of computing, operating systems, and networks. Basic knowledge in information security and privacy (cf. PSI-IntroSP-B) is useful but not required. | | keine |
| Angebotshäufigkeit: SS, jährlich | Empfohlenes Fachsemester: | Minimale Dauer des Moduls: |
| | | 1 Semester |
| Lehrveranstaltungen | | |
| Seminar Security and Privacy Recommendations | | 2,00 SWS |
| Lehrformen: Seminar | | |
| Dozenten: Prof. Dr. Dominik Herrmann | | |

| | |
|--|--|
| <p>Sprache: Englisch/Deutsch</p> <p>Angebotshäufigkeit: SS, jährlich</p> <hr/> <p>Lernziele:</p> <p>cf. module description</p> <hr/> <p>Inhalte:</p> <p>cf. module description</p> <hr/> <p>Literatur:</p> <p>Selected text books:</p> <ul style="list-style-type: none">• 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 <p>Other relevant literature is presented in the first session.</p> | |
|--|--|

| | |
|---|--|
| <p>Prüfung</p> <p>Hausarbeit mit Referat / Prüfungsdauer: 30 Minuten</p> <p>Bearbeitungsfrist: 3 Monate</p> <p>Zulassungsvoraussetzung zur Modulprüfung:</p> <p>Continuous attendance in the project sessions is mandatory, cf. §9 (10) APO.</p> <p>zentral organisiert: nein</p> <p>Beschreibung:</p> <p>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.</p> <p>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.</p> | |
|---|--|