

Modul PSI-EDS-B Ethics for the Digital Society <i>Ethics for the Digital Society</i>		3 ECTS / 90 h
(seit SS20) Modulverantwortliche/r: Prof. Dr. Dominik Herrmann		
Inhalte: This module introduces students to fundamental concepts of ethics and their application to techniques that shape the digital society. It discusses the influence of current and upcoming technologies and their implications from an ethical perspective. The lecture is accompanied by a series of case studies, which focus on a concrete problem that is to be analyzed by the participants. Topics include decision making in autonomous systems and systems that employ so-called artificial intelligence, the reliability and dependability of computer systems, and privacy aspects of information systems.		
Lernziele/Kompetenzen: Participants will be able to reflect on their actions as a scientist as well as a computer professional. They learn how to evaluate the trade-offs that are inherent in new technologies and how to design information systems in ways that support the needs of a digital society. Successful participants will obtain the ability to apply ethical thinking to novel problems and potential solutions.		
Sonstige Informationen: The module is taught in English unless all participants are fluent in German. There may be a small number of guest lectures that is taught in German. During the semester multiple case studies will be published. Participants will be asked to submit essays or solutions (small programs) discussing ethical aspects of those case studies. Essays will be peer-reviewed by other participants.		
Zulassungsvoraussetzung für die Belegung des Moduls: keine		
Empfohlene Vorkenntnisse: keine		Besondere Bestehensvoraussetzungen: keine
Angebotshäufigkeit: WS, jährlich	Empfohlenes Fachsemester:	Minimale Dauer des Moduls: 1 Semester

Lehrveranstaltungen	
Ethics for the Digital Society Lehrformen: Vorlesung Dozenten: Prof. Dr. Dominik Herrmann Sprache: Englisch/Deutsch Angebotshäufigkeit: WS, jährlich	2,00 SWS
Lernziele: cf. module description	
Inhalte: cf. module description	
Literatur:	

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| <ul style="list-style-type: none">• Ibo van de Poel and Lamber Royakkers: Ethics, Technology, and Engineering – an Introduction• Jay Quinn: Ethics for the Information Age• Herman T. Tavani: Ethics and Technology: Controversies, Questions, and Strategies for Ethical Computing | |
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Prüfung

schriftliche Prüfung (Klausur) / Prüfungsdauer: 60 Minuten

Beschreibung:

The exam questions will be in English. The questions can be answered in English or German. The content that is relevant for the exam consists of the content presented in the lecture and in the case studies.

The maximum number of points that can be achieved in the exam is 100. Participants that submit all case study essays can collect up to 10 bonus points. Details regarding the number of assignments, the number of points per assignment, and the type of assignments will be announced in the first lecture.

If the points achieved in the exam are sufficient to pass the exam on its own (generally, this is the case when at least 50 points have been obtained), the bonus points will be added to the points achieved in the exam. The grade 1.0 can be achieved without the bonus points.