

Modulbeschreibung

Information Technology and Society

Module number:	30.7516
Language:	english
Study programme:	Bachelor 2021 - 3. Semester Bachelor dual KITS 2021 - 4. Semester Bachelor dual KoSI 2021 - 4. Semester Bachelor 2014 - 4. Semester Bachelor KMI 2014 - 4. Semester
Type of course:	S = Seminar
Weekly hours:	2
Credit Points:	2.5
Exam:	Oral presentation, active participation, and a written presentation; details will be fixed at the beginning of the seminar.
Learning objectives:	The students shall analyze, understand and evaluate the terms, effects and implications of the actions and designs of computer scientists in society. They shall acquire the basic concepts to realize their personal responsibility with regard to those who are affected by the use of computer science technologies and they shall learn to implement an individual as well as common socially effective and responsible behaviour.
Content:	The course is not based on fixed teaching content but it takes aspects into consideration, which show a specific timeliness and topicality or are of special interest to either the students or the lecturers. These may be aspects from the following catalogue of topics: <ul style="list-style-type: none"> • New views of Computer Science; social and cultural history of data processing, Computer Science as a Science, philosophy of Computer Science • Scope of Computer Science technologies: production, health science, education, • Comprehensive effects and action requirements, action requirements, job market and structure of the profession, "women in computer science", structures of mental activity and communication • Perspectives of a socially oriented Computer Science: work analysis and software development, software ergonomics, A.I. and expert systems, computer networks and distributed systems • Computer Science between theory and practice: estimation of the consequences of technology, ethics and computer science, job practice, social situation and awareness of computer scientists
Literature:	Primarily current literature: <ul style="list-style-type: none"> • J. Friedrich und andere: Informatik und Gesellschaft, Spektrum, 1994 • A. Grunwald (2010): Technikfolgenabschätzung; Berlin • G. Stamatellos (2007): Computer Ethics, A global perspective, Sudbury • J. Weizenbaum (2000): Macht der Computer - Ohnmacht der Vernunft
Lecture style / Teaching aids:	The topics given out at the beginning of the semester will be presented by students presentations and will be discussed in the seminar group. The number of participants is limited. Additional material: video, film to specific topics
Responsibility:	Bettina Harriehausen