Module MA-INF 3106	**Privacy in Ubiquitous Computing**		
Workload 180 h	**Credit points** 6 CP	**Duration** 1 semester	**Frequency** every year
Module coordinator	Jun.-Prof. Dr. Delphine Christin		
Lecturer(s)	Jun.-Prof. Dr. Delphine Christin		
Classification	**Programme** M. Sc. Computer Science	**Mode** Optional	**Semester** 1., 2. or 3.
Technical skills	Students gain knowledge about key concepts of privacy (including legal and economical aspects) and field of ubiquitous computing. They are able to identify threats to privacy in given application scenarios. They learn fundamental techniques to protect users' privacy. Relying on this background, they are able to understand and analyze cutting-edge solutions.		
Soft skills	Written and oral communicative skills, critical thinking and problem solving skills, teamwork, and time management		
Contents	Introduction to privacy and ubiquitous computing, privacy threats, privacy-enhancing systems in selected scenarios, usable privacy		
Prerequisites	**Recommended:** MA-INF 3202 – Mobile Communication		

Format

Teaching format	**Group size**	**h/week**	**Workload[h]**	**CP**
Lecture	60	2	30 T / 45 S	2.5
Exercises	30	2	30 T / 75 S	3.5

T = face-to-face teaching; S = independent study

Exam achievements	Oral exam	(graded)
Study achievements	Successful exercise participation	(not graded)
Forms of media		

Literature

John Krumm, Ubiquitous Computing Fundamentals, Crc Pr Inc, 2009

Alessandro Acquisti, Stefans Gritzalis, Costos Lambrinoudakis, Digital Privacy: Theory, Technologies, and Practices, Auerbach Pubn, 2007

Mireille Hildebrandt, Kieron O'Hara, Michael Waidner, Robert Madelin, Digital Enlightenment Yearbook 2013: The Value of Personal Data, Ios Press, 2013

Jan Camenisch, Simone Fischer-Hübner, Kai Rannenberg, Privacy and Identity Management for Life, Springer, 2011

Additional research literature will be announced during the lecture