

Modulbeschreibung

User Interface Technologies

Allgemeine Informationen

Modulbezeichnung

User Interface Technologies

Modulkategorie

Fachliche Vertiefung

Modulverantwortliche/r

Markus Stolze

Anzahl der Credits

3

Modulverantwortliche/r

Markus Stolze

Durchführungssetting

Campus	<input type="checkbox"/> Buchs	<input checked="" type="checkbox"/> Rapperswil-Jona	<input type="checkbox"/> St. Gallen
Online Teilnahme	<input type="checkbox"/> keine Onlineteilnahme möglich	<input checked="" type="checkbox"/> hybrid	<input type="checkbox"/> ausschliesslich online
Durchführung	<input type="checkbox"/> wöchentlich	<input type="checkbox"/> als Blockwoche	<input checked="" type="checkbox"/> x nach Absprache

Ziele, Inhalt und Methoden

Learning objectives

Students demonstrate their ability to perform basic independent research in the area of user interface technologies. They will typically analyze and summarize literature related to a specific topic related to user interface technologies, perform an independent experimental investigation in the area, and report the results in a presentation and a self-published blogpost.

Module content

Typically, topics are chosen in close collaboration between the lecturer, the student, and his or her advisor to support the student's progress in their studies projects and master thesis. Example topics include, but are not limited to:

- Information visualization techniques and tools.
- Methods and tools for User Interface Development and Frontend Engineering.
- Methods and tools for User Interface Design and User-Centered Design including ideation, collaboration, and prototyping.
- Methods and tools for performing, validating, and communicating User Research.
- Methods and tools for User Interface Testing.

All tools may be of particular interest in all topic areas listed above.

Teaching and learning methods

Participants are typically expected to present their topic and their analysis results in writing and in a final presentation:

- Guided self-study (dt. begleitetes Selbststudium)
- Analysis or creation of an empirical case study
- Incremental feedback on emerging practice descriptions and/or scientific essay, small writer's workshops

The exact deliverables and grading scheme will be defined at the start of the course.

Prerequisite skills and experience (competencies)

The chosen topic should be relevant to the student's further studies, for instance the two term projects or master thesis.

Bibliography

Will be determined within the first weeks of the course.

Leistungsbewertung

Prüfungsart

Will be determined within the first weeks of the course in close discussion between lecturer and student.

Zulassungsbedingungen

none