The Economics of the Digitalization and Information Systems

Course instructors
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Application procedure
Goal and target audience
This course is part of the TUM SoM PhD Summer School and targets doctoral students and postdocs.

Mandatory requirements
No mandatory requirements.

Application process
There is a limit of 15 students maximum for this course. To apply, please use the official application procedure for the TUM SoM PhD Summer School. The application deadline is July 1, 2022.

Course aims
This is a research-oriented doctoral seminar on the field of information systems. This course shall provide a primer on the core but also most current research questions of interest in the economics of information systems field. This field is concerned with understanding the implications that information technology has for firms’ value creation, market structures, and competition. The references contain a list of exemplary papers from this field.

The primary goal of this seminar is to familiarize participants with the current topics concerning the management and economics of the digitalization, in particular:

- Principles of information good (cost of production, bundling, versioning, network effects)
- Impact of IT on market structures
- Platforms
- Privacy
- Copyright
- Artificial Intelligence
- Blockchains
- Piracy

To become familiar with these topics, students will be assigned a set of papers to present and
evaluate. All participants will discuss the papers. The course starts with an introductory presentation by the instructor. The remainder of the course is based on group work and presentations by the participants.

**Course objectives**

- Participants understand the core research questions of interest for the field of information systems economics
- Participants learn to communicate existing research findings
- Participants learn to critically review existing research

**Preliminary schedule**

The course takes place in the second week of the TUM SoM PhD Summer School from September 19 to September 23, 2022. We will meet in person on Campus Heilbronn.

**Course procedures**

Further detail will be provided in the first session.

**Assessment**

Form of assessment: presentation

100% Presentation, pass or fail only

Participation in all sessions is mandatory. Participation requires thorough preparation.

**References**


