

**LEHRSTUHL FÜR STEUERUNG INNOVATIVER
UND KOMPLEXER TECHNISCHER SYSTEME
MICHAEL SCHERING M.A.**



Education Program SS 2020

Seminar: **Governance of Technological Systems -
Why things are complex: an introduction to complexity and
governance**

Room: F-21/03.48

Time: Tuesday, 10-12 h

Start: April 21st 2020

Short Description:

This course offers a broad analytical perspective on socio-technological studies and the persistent issues in the governance of complex technological systems, such as nuclear power plants, risk, genetic technology or the implementation of large-scale projects. How does technological innovation emerge, and which is its connection to society? Why do things “go wrong” in complex systems, such as a nuclear power plant or a hospital? What does “complexity of governance” mean, and how can we account for it? How do governance actors deal with accidents? What does risk perception mean, and what possibilities are available to actors to control such systems? Does culture affect technological development, and can technology be a tool for emancipation? (Possible) Answers to these questions are addressed during the course by examining a wide range of theories and insights that we will discuss in class, also through a variety of examples.

The seminar is taught in English. The seminar can also be considered a “teaser” for students in Political Science who might consider enrolling in the Master Program “Governance of Complex Technological Systems”.

Course structure:

The course, as well as the reading material, is taught in English. Lectures are structured on participation and discussion following Problem-Based Learning (PBL).

Course Evaluation:

chairing/supporting discussion in class (20% of the grade) and term paper (80% of the grade).

Course Literature:

Articles and book chapters will be available online on the Virtual Campus. Please note that the amount of reading required for each session is very high (50-100 pages).

Course Syllabus: The detailed Syllabus of the course will be circulated in due time.

Notes:

The seminar will be taught in English.

Registration:

Via FlexNow! From 1st of April 2020 via FlexNow!

Speaking hours:**Mail:**