

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



Education Program WS 2020/21

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

Room: F-21/03.79 / Online (Zoom)

Time: Tuesday, 10-12 h

Start: November 3rd 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? What is the role of national identity and gender in defining socio-technological systems? Why do things “go wrong” in complex systems, such as a nuclear power plant or a hospital? How do governance actors deal with accidents? What does risk perception mean, and what possibilities are available to actors to control such systems? Answers to such questions can be found in 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 are available online on the Virtual Campus.

Notes:

The seminar will be taught in English.

Registration:

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

Speaking hours:

By appointment. Office: F-21/03.69

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