

**LEHRSTUHL FÜR STEUERUNG INNOVATIVER  
UND KOMPLEXER TECHNISCHER SYSTEME  
DR. SOFIA PAGLIARIN**



**Lehrveranstaltungen SS 2021**

**Seminar:**                    **Why things are complex:  
An introduction to complexity and governance**

**Room:**                    Online (Zoom)  
**Time:**                    Tuesday, 10:00 – 12:00 s.t.  
**Start:**                    13. April 2021

**Course 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.

This course is an introduction to other courses offered at the Chair of Governance of Complex and Innovative Technological Systems.

Learning goals of the course:

- To understand socio-technological processes and identify their main features
- To understand how the complexity of governance and the complexity of technology interact
- To apply and discuss your knowledge to concrete cases

**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). For more

information about PBL, please also check our Pinboard: <https://vc.uni-bamberg.de/course/view.php?id=42243>.

**Course type:**

The course will be taught online via Zoom. Please register on the VC and through FlexNow to be informed about the Zoom meeting ID and password.

**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.

**Course Syllabus:**

The course Syllabus will be made available in due time. Please consider that some sessions include quite some reading material that you should prepare in advance.

**Speaking hours:**

Wednesdays, 14:00-16:00 via MS Teams (also by appointment)

**Mail:**

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