

## **STUDY PROGRAM**

### **Creative Engineering (Bachelor of Arts)**

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#### **Module Integration**

#### **Teaching Subject: Environment**

Credit points: 10

Contact hours: 6

#### **Modul contents**

In the "Environment" module, ecological, cultural, social, technological and economic aspects of systems are analysed. In this module, systems are understood as the integration of technical systems and services into comprehensive services. When developing and analysing the services, students focus on the process that is designed or perceived by different stakeholders. The entire life cycle of the system/service is analysed. The seminar has a transdisciplinary approach and is conducted on a co-educational basis.

Reflection and exemplary exploration of:

- Service design
- Structure and process modeling of services and prototypes
- Approaches to stakeholder analysis
- Service tests/customer journey
- Rapid prototyping and enactment
- Technical environment analysis

#### **Learning/qualification objectives:**

*Knowledge as an overview of:*

- Identify possible influencing factors on services and the development of services
- Justify the procedure for analysing a service

*Skills in the basic application of:*

- Applying structured methods for analysing the environment throughout the entire life cycle of a service
- Mapping a service process for the transdisciplinary consideration of a service

*Competences as problem-solving skills with regard to*

- Designing a comprehensive service
- Analysing stakeholders and the environment of a service and evaluating the influence on service development and the service