SPATIAL SCIENCES [MINOR]

Spatial approaches are crucial for the implementation of sustainability strategies. They are as central to the designation of protected areas as they are to the consideration of the location of industry or infrastructure. Landscape characteristics and nutrient flows must be considered here, as well as socio-ecological conditions and human-environment relationships.

In the minor, you will get a broad overview of spatial sciences, deal with the basics of spatial systems and get approaches for the analysis of environmental systems at hand. You learn to evaluate spatial systems and develop adaptation strategies, work with geographic information systems and get to know other methods of spatial sciences. You will apply the knowledge you have acquired in theory in practical projects. You can either combine the three thematic concentrations "Climate & Mobility", "Nature Conservation & Landscape Planning" and "Social-ecological Systems" or specialise in one of the concentrations. The minor can be studied in German and in English.

AT A GLANCE

Degree awarded	
Language	German and English
Programme Directors	Prof Dr Vicky Temperton



STUDY OBJECTIVE

The Minor in Spatial Sciences provides you with a basic understanding of environmental space as a socio-ecological system. You will learn to explore, analyse and evaluate spatial systems and their changes with regard to ecological and socio-economic aspects. On the basis of this knowledge, you will be able to recognise both utilisation possibilities and conflicts as well as threats and develop solution approaches for sustainable regional spatial development, taking into account current challenges (climate change, land use change, loss of biodiversity as well as dwindling resources). In this way, you can actively participate in professional and societal debates and decision-making processes and apply your acquired knowledge in both scientific and diverse professional fields. This includes activities in non-governmental organisations and in administration as well as in business or politics, such as site selection, municipal or regional development planning and the designation of protected areas.

POSSIBLE MAJOR COMBINATIONS

- Cultural Studies (GER)
- Digital Media (ENG)
- Economics (ENG)
- Environmental Sciences (GER)
- Global Environmental and Sustainability Studies (ENG)
- International Business Administration and Entrepreneurship (ENG)
- Law (GFR)
- Political Science (GFR)
- Studium Individuale (FNG)