

## Course Description – Summer 2025

### Mobile Systems

**Title** Mobile Systems (MobSys)

**Faculty** Computer Science

**Professor** Dr.-Ing. David Sommer

**ECTS** 5

**Level** Master

**Requirements** Good knowledge in Java Programming, Basic knowledge in Android Programming.

### Add. Information

**Content** Features and characteristics of mobile systems are explored and discussed in this course. Beginning with the processing of sensor data und sensor fusion, different types of location-based applications are discussed. Advanced Topics like indoor positioning systems and geofencing are treated in the second part of the course. Practical exercises and projects are done in Android.