

UAS - Technical Short Course

Theory - Training - Qualifying Certificate

Date: Dezember 12-13, 2017, 8.00 am to 5.00 pm

Location: IPF Meeting Room (B.20.40, R.028)

Lecturer: Joseph Metz, U-ROB GmbH Bielefeld

Credits: 1



This compact course provides a hands-on introduction to UAS systems and their operation. It covers all issues that are relevant to obtain the UAS flight licence, prescribed by the German drone regulation.

The main topics are UAS concepts and components, flight planning, meteorology and practical considerations in everyday UAS operation. It covers further all relevant legal issues to be well prepared for the examination of the qualifying certificate. The course includes flight training and exercises.

The course is primarily intended for GRACE-PhD-researchers who are currently involved in research projects that employ unmanned aerial systems, such as projects of the GRACE UAV-cluster. The course will be held in English.

Day 1 (8h)

- Current legal situation, meteorology and flight operations
- Basic functions of the "DJI GO" app
- Flight preparation and maintenance in everyday life
- Exercise flights under instruction (with own drones and U-ROB drones)
- Efficient scheduling and approval process

Day 2 (8h)

- German air traffic regulation, §21
- Special topics, such as SERA / SORA (relevant for examination)
- Flight dynamics of fixed wing aircrafts
- Questionnaire
- Examination (multiple choice test, 1 hour)

Please prepare the following documents for the examination

- Valid ID and copy of the same
- Clearance certificate according to § 30 para. 1 Bundeszentralregistergesetz (simple clearance certificate)
- Declaration of ongoing investigations or criminal proceedings (official form will be sent in advance)

Participants and Fees

The course is open for KIT researchers and master students. The course fees are 330 EUR and include the theoretical and practical examination. Costs for GRACE PhD researchers will be covered by the Graduate School.

Registration

Please register online and give a short indication on the relevance of this course for the accomplishment your research project.