

Course title	<i>Aircraft Navigation</i>
Course code	<i>M 9840</i>
Module coordinator	<i>Miriam Heinrich</i>
Lecturer	<i>Dipl. Fw Andreas Lehmacher</i>
Level of course	<i>Bachelor</i>
Recommended prerequisites	<i>Technical English</i>
Type of course	<i>Lecture</i>
Weekly lecture hours (SWS)	<i>2</i>
ECTS credits	<i>2 ECTS</i>
Workload	<i>in total 60h, 30h course attendance, 30h self-study</i>
Assessment (grading; pass/fail)	<i>graded</i>
Regular cycle	<i>Each semester</i>
Language of instruction	<i>English</i>
Contents:	<i>Terrestrial Navigation, Inertial Navigation, Radio Navigation, Operational Procedures</i>
Learning outcome (competencies):	<i>The students know the basics of terrestrial navigation and radio navigation. The students are able to write an operational flight log, especially in regard to flights associated with the flying lab. The focus is laid on subjects which are in particular relevant for flight research engineering.</i>
Teaching methods	<i><input checked="" type="checkbox"/>Lecture <input type="checkbox"/>Group work <input type="checkbox"/>Exercises <input type="checkbox"/>Simulation <input type="checkbox"/>Video feedback <input type="checkbox"/>Others:</i>
Assessment methods	<i>The knowledge will be assessed by a written test of 60 min. duration.</i>
Recommended reading	<i>Navigation in der Zivilluftfahrt: Grundlagen und Systeme konventioneller und integrierter Flugnavigation; Wieland Richter Systeme und Verfahren der Anflugnavigation; Wieland Richter, Flugnavigation; Günter Sjöström;</i>
Additional information	
Recognition of credits	