

Modul Name / Module name	Digital processing of remotely sensed data	Code: FIT-
Studiengang / Study programme	Forest Information Technology (M.Sc.)	Semester: 2.
Modul Koordinator / Module Coordinator	Dr Krzysztof Będkowski	
Ziel / Goal	The main objective of the course is to provide the ability of processing remotely sensed data for forestry and environmental purposes	
Inhalt / Content	Introduction to digital processing of image data, image acquiring by satellite, aircraft and other remote sensing systems, image restoration, image filtering, spectral space transformation, classification, basics of digital photogrammetry, orientation of single images and stereopairs as a technique of acquiring geometric data for RS and GIS	
Schlüsselqualifikationen / Soft skills	analytical skills, problem solving competency, creativity	
Weiterführende Module / Continuative modules	Geomatics I & II	

Status:	elective	Prüfungsform / Examination form:	Written exam (90 min.)
Teilnahmevoraussetzungen / Entry requirements:	Geomatics I	Max. Plätze / Max. study places:	25
ECTS-Credits:	3	Dauer / Duration:	Semester
Arbeitsaufwand / Workload:	total: 75 h / semester 2 SWH (I) + 3 SWH (S)	Lehrsprache / Teaching language:	English
		Lehrform / Teaching form:	lecture (30%), seminar (20%), practical exercise (50%)