

**Anwendungsfach Geographie für den Masterstudiengang Data Science (gem. § 52 FPODataScience)**

Modul Nr.	Modulbezeichnung	Modulverantwortlicher	Lehrveranstaltung	SWS					Gesamt ECTS	Workload-Verteilung pro Semester in ECTS-Punkten:				Art und Umfang der Prüfung/Studienleistung	Modul Nr.
				V	Ü	P	S	T		1. Sem	2. Sem	3. Sem	4. Sem		
6	Advanced Methods – Advanced Climate Data Analysis	Thomas Mölg	Advanced Methods MSc: Advanced Climate Data Analysis				2		5	[ 5 ]		[ 5 ]		Weekly homework (max. 3 pages) or essay (max. 15 pages)	6
	Advanced Methods – Microwave Remote Sensing	Matthias Braun	Advanced Methods: Vegetation Analysis				2		5		[ 5 ]		[ 5 ]	Weekly homework (max. 3 pages) or essay (max. 15 pages)	
	Advanced Methods – Modeling Physical Systems in the Climate	Thomas Mölg	Advanced Methods: Scripting for Remote Sensing of the Environment				2		5		[ 5 ]		[ 5 ]	Weekly homework (max. 3 pages)	
	Advanced Methods – Remote Sensing: Spectroscopy and Analysis of Spectral Data	Matthias Braun	Advanced Methods MSc: Remote Sensing: Spectroscopy and Analysis of Spectral Data				2		5	[ 5 ]		[ 5 ]		Weekly homework (max. 3 pages) or essay (max. 15 pages)	
	Advanced Methods – Scripting for GIS Analysis	Matthias Braun	Advanced Methods MSc: Scripting for GIS Analysis				2		5	[ 5 ]		[ 5 ]		Weekly homework (max. 3 pages) or essay (max. 15 pages)	
	Advanced Methods – Scripting for Remote Sensing of the Environment	Matthias Braun	Advanced Methods: Microwave Remote Sensing				2		5		[ 5 ]		[ 5 ]	Weekly homework (max. 3 pages)	
	Advanced Methods – Soil Science	Rupert Bäuml	Advanced Methods MSc: Soil Science				2		5	[ 5 ]		[ 5 ]		Essay (max. 15 pages)	
	Advanced Methods – Stable Isotope Analysis	Achim Bräuning	Advanced Methods: Stable Isotope Analysis				2		5	[ 5 ]		[ 5 ]		Essay (max. 15 pages)	
			Field Course				2			[ ]		[ ]			
	Advanced Methods – Tree-Ring Analysis – Applied Dendroecology	Achim Bräuning	Advanced Methods MSc: Tree Ring Analysis				2		5	[ 5 ]		[ 5 ]		Essay (max. 15 pages)	
	Kolloquiumsvorlesung Digitale Souveränität	Johannes Helbig	Kolloquiumsvorlesung Digitale Souveränität	4					5		5			Report (max. 10 pages), participation in discussions	
Scientific Working II	Thomas Mölg, Matthias Braun	Introduction to Climate & Environmental Sciences				2		5		[ 5 ]		[ 5 ]	Written exam (45 min.)		
<b>Summe Anwendungsfach Geographie für den Masterstudiengang Data Science</b>								<b>15</b>	<b>5</b>	<b>0-5</b>	<b>5-10</b>	<b>0</b>			