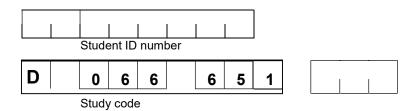
Examination Office / Prüfungsabteilung Faculty Digital and Analytical Sciences (DAS)





Request for a Master's degree certificate in Erasmus Mundus Joint Master "COPERNICUS MASTER IN DIGITAL EARTH"

Curriculum 2023

92. Curriculum for Master's Degree Programme "Copernicus Master in Digital Earth" at the University of Salzburg (Version 2023)

PRIOR TO SUBMISSION:

- 1. Enter all specialization track (GeoData Science or GeoVisualisation & Geocommunication) completed courses (grades) in PLUSonline &
- 2. ask the Examination Office to validate the data submit signed transcripts by partner universities via Email to the Examination Office
 - Guideline Course Amendment for Copernicus Master (November 2020 german version)
 - All guidelines are available at website of the Examination Office

Please attach (if any) confirmations from the PLUS together with this document:

 Notification(s) of PLUS Legal Department (copy) Anrechnungsbescheide für externe LV; see ^(a)procedure course recognition

to the Examination Office	
last name	first name(s)
address	nationality
date of birth	
(mobile) phone number	e-mail address
Date	signature, student
certificates returned on:	
date	signatur

Curriculum for the Master's Degree in "Copernicus Master in Digital Earth"

module / course no.	Name of the courses	semester / term	ECTS	Grade	Date
COMPUL	SORY MODULES				
651_B1	ORIENTATION PROJECT		6		
651.010	Copernicus in Digital Earth (EO*GI)	1 / WS	1		
651.011	Spatial Thinking and Modelling	1 / WS	2		
651.012	Career Development & ePortfolio	1 / WS	1		
651.013	Scientific Methods and Writing	2 / SS	2		
	Last exam:		Grade point average: entered by the examination office		age:
651_B2	SPACE-TIME MODELS & REPRESENTATIONS		6		
856.132	Geovisualization and Advanced Cartography	2 / SS	6		
651.020	Systems Thinking in Spatial Representations	1 / WS	3		
651.021	Spatial Databases ^(a) (856.161 Design of Geospatial Data Models)	1 / WS	3		
	Last exam:		Grade point average:		age:
651_B3	DIGITAL EARTH OBSERVATION & TECHNOLOGIES		12		
651.030	Advanced Remote Sensing	1 / WS	6		
651.031	Copernicus Hubs and Institutions	2/SS	3		
651.032	Digital Earth: Big Earth Data Concepts	1 / WS	3		
	Last exam:		Grade point average: entered by the examination office		age:
651_B4	SPATIAL IMAGE ANALYSIS		6		
856.908	Object-Based Image Analysis	1 / WS	3		
651.040	Analysis and Modelling (Remote Sensing)	2/SS	3		
	Last exam:	alina". Cuidali	Grade point average:		

⁽a)procedure course recognition "Prüfungsanerkennung über PLUSonline": Guideline for Course Recognition for Curricula 2016 (German version)

module / course no.	Name of the courses	semester / term	ECTS	Grade	Date
651_B5	INTEGRATED APPLICATIONS		12		
651.050	Project Management	2/SS	3		
651.051	Practice Software Development	2 / SS	3		
651.052	Application Development (Earth Observation)	2/SS	6		
	Last exam:		Grade point average:		
651_SIP	SHORT INTENSIVE PROGRAMMES		3 9		
Students mus	7 Linked elective module (Wahlpflichtfach): t complete a total of 3 ECTS. the Geovisualisation and Geocommunication specest complete a total of 9 ECTS.	i alization trad	ck choosing	the skills-ba	sed
	I have chosen the 12 ECTS skill-based	internship	YES		NO
I	have chosen the 18 ECTS collaborative research / wor	k placement	YES		NO
651.060	International Summer School I	1 / WS	3		
651.061	International Summer School II	2/SS	3		
651.062	Blended Intensive Programme (BIP)	2/SS	6		
512.100	Digital Earth Citizens (BIP) ^(a)	1 / WS	6		
	Last exam:		Grade point average:		age:
651_Geo VIS	GEOVISUALISATION AND GEOCOMMUNICATION (UPOL)		30		
MODULE	GEOVISUALISATION				
651.771	Systematic Geovisualisation	3 / WS	6		
651.772	Advanced Methods of Geovisualisation	3 / WS	6		
651.773	Design in Geovisualisation	3 / WS	3		
	Last exam:		_	oint avera	age:

^(a)procedure course recognition "Prüfungsanerkennung über PLUSonline": <u>Guideline for Course Recognition for Curricula 2016 (German version)</u>

module / course no.	Name of the courses	semester / term	ECTS	Grade	Date
MODULE	GEOCOMMUNICATION				
651.774	Cognitive Cartography	3 / WS	3		
651.775	Web Cartography	4 / SS	6		
	Last exam:		Grade point average:		age:
	UPOL ELECTIVES				
651.776	3D Visualisation	3 / WS	3		
651.777	Cartographic Project	3 / WS	3		
651.778	Desktop Publishing in Cartography	3 / WS	3		
	Last exam:		Grade point average: entered by the examination office		age:
651_Geo DSc	GEODATA SCIENCE (UBS)		30		
MODULE	FUNDAMENTALS OF DATA SCIENCE				
651.781	Machine Learning	3 / WS	6		
651.782	Foundations of Deep Learning	3 / WS	3		
651.783	Big Data	3 / WS	6		
	Last exam:		Grade point average: entered by the examination office		age:
MODULE	ARTIFICIAL INTELLIGENCE FOR EARTH OBSERVATION				
651.784	Efficient Remote Sensing Image Processing	3 / WS	6		
651.785	Deep Learning for Computer Vision	3 / WS	3		
651.786	Geospatial Data Analytics Project	3 / WS	6		
	Last exam:		Grade point average: entered by the examination office		

module / course no.	Name of the courses	semester / term	ECTS	Grade	Date
651_FWF	ELECTIVE SUBJECTS at PLUS		6 12		

Curriculum § 8 Free elective subjects:

In the CDE programme students are to complete elective courses totalling 6 (12) ECTS points.

GeoData Science specialization track students must complete electives during the first academic year (12 ECTS) when choosing the skills-based internships/work placement, and students choosing a collaborative research/work placement must complete a total of 6 ECTS electives during year one.

GeoVIS specialization track students must complete 6 ECTS electives during the second year of studies.

856.114	GeoHumanitarian Action	1 / WS	4	
856.135	Spatial Simulation	1 / WS	6	
856.121	GIScience: Theory and Concepts	1 / WS	4	
856.113	Introduction to Data Science and Machine Learning for Geospatial	1 / WS	3	
856.162	SDI Services Implementation	1 / WS	6	
856.136	ESG Monitoring and Data Analysis for Sustainable Business	1 / WS	3	
856.062	MOOC: Spatial Data Science	1 / WS	1	
911.908(9)	Computer Vision (Advanced Image Processing and Computer Vision)	1 / WS	2,5	
856.141	Methods in Geoinformatics	1 / WS	2	
651.990	Deutsch für Geoinformatiker_innen	1 / WS	0	
856.142	Analysis and Modeling	2/SS	4	
856.164	Open GIS: Standards, Architectures and Services	2 / SS	4	
856.134	Multivariate Statistics	2 / SS	3	
856.135	Spatial Statistics	2/SS	3	
101.013	Space Law	2 / SS	5	
856.065	MOOC: Cartography	2 / SS	1	
911.235(6)	Machine Learning	2/SS	3	
911.935(6)	Advanced Machine Learning	2/SS	3	
	Last exam:		Grade po	oint average:

module / course no.	Name of the courses	semester / term	ECTS	Grade	Date
651_WOR	K PLACEMENTS		12 18		
Curriculum § 1	0 Work placement / internship:				
	sed internship/work placement (12 ECTS) shall be pr	• •	•	•	
	re research/work placement (18 ECTS) must be conf It is twinned with a research-based Master's Thesis.	irmed by the i	responsible b	oody until th	e end of
651.090	Skills-based internships/practical	2/SS	12		
651.091	Collaborative Research / Work Placement	2/SS	6		
651.092	Collaborative Research / Work Placement	4 / SS	12		
	Last exam:		Grade point average: entered by the examination office		
651_MAST	TER'S THESIS		21		
Joint supervis	sion:_ Master's Thesis guidelines and procedures.				
651.KAp	Master's exam (entered by the examination office)	4 / SS	3		
PAAV	Master's Thesis (entered by the examination office)	4/SS	18		
	Last exam:		Grade point average: entered by the examination office		