Preliminary semester plan
Study Program – Master of Science
Earth System Data Science and Remote Sensing
WiSe 2024/25 – Compulsory Modules

Module Registation October 1st, 12:00 (noon) - October 7th, 2024, 5:00 p.m

(Please send questions regarding module registration to: module-registration@physes.uni-leipzig.de)

Module cancellation in AlmaWeb by January 11, 2025

1st semester

Module 12-GEO-M-RS01

Remote Sensing Products for Earth System Research (Peng, Jian)

Introduction to Global Remote Sensing Data Products

S	Thu	13:15 – 14:45	SR 1 (0.06)	Tal 35	Peng, Jian
Start: 17.10.2024		(14daily)			

Applications of Remote Sensing Products

Ü/E	Wed	13:15 – 14:45	CP III	Tal 35	Peng, Jian
Start: 23.10.2024					

Module 12-GEO-M-SK01

Research Data Management and Social Responsibility (Kraemer, Guido)

Research Data Management and Social Responsibility

S	Mon	09:15 – 10:45	HS 2 (1.12)	Tal 35	Kraemer, Guido

Research Data Management

Ü/E	Mon	10:45 – 11:30	HS 2 (1.12)	Tal 35	Kraemer, Guido

Module 12-GEO-M-AG01

Introduction to Data Science (Sippel, Sebastian; Kretschmer, Marlene)

Introduction to Data Science

V/L	Mon	12:45 – 14:15	HS 2 (1.12)	Tal 35	Kretschmer, Marlene

Data Science

Ü/E (group 1)	Mon	14:30 – 16:00	HS 2 (1.12)	Tal 35	Kretschmer, Marlene
Ü/E (group 2)	Thu	15:30 – 17:00	HS 2 (1.12)	Tal 35	Mora, Karin

Rooms
HS 2 (1.12) = Lecture Hall
HS 01 = Lecture Hall
CP III = Computer Pool III
SR 1 (0.06) = Seminarraum 1

Location
Tal 35 = Talstraße 35

V/L = Lecture
S = Seminar
Ü/E - Exercise

Module 12-GEO-M-AG02

Earth System Components (Bastos, Ana)

Introduction to the Earth System

V/L	Tue	11:15 – 12:45	HS 2 (1.12)	Tal 35	Bastos, Ana

Earth System

Ü/E	Tue	13:15 – 14:00	HS 2 (1.12)	Tal 35	Bastos, Ana

Module 12-GEO-M-AG03

Introduction to Environmental Remote Sensing (Vohland, Michael)

Introduction to Environmental Remote Sensing

V/L	Wed	08:00 – 08:45	CP III	Tal 35	Vohland, Michael

Introduction to Environmental Remote Sensing

Ü/E	Wed	08:45 – 10:15	CP III	Tal 35	Vohland, Michael

Subject to change !!!

Rooms
HS 2 (1.12) = Lecture Hall
HS 01 = Lecture Hall
CP III = Computer Pool III
SR 1 (0.06) = Seminarraum 1

Location
Tal 35 = Talstraße 35

V/L = Lecture
S = Seminar
Ü/E - Exercise

3rd semester

Module 12-GEO-M-DS03

Applied data analysis of earth-surface processes (Al-Halbouni, Djamil)

Intoduction to earth surface deformation

V/L	Wed	15:15 – 16:45	HS 01	Tal 35	Al-Halbouni, Djamil; Khosravichenar, Azra

Numerical analysis

Ü/E	Wed	17:00 – 18:30	HS 01	Tal 35	Al-Halbouni, Djamil; Khosravichenar, Azra

Module 12-GEO-M-DS04

Data Analysis in Hyperspectral Remote Sensing (Feilhauer, Hannes)

Machine Learning

V/L	Thu	12:00 – 12:45	HS 2 (1.12)	Tal 35	Feilhauer, Hannes

Machine Learning in Hyperspectral Remote Sensing

Ü/E	Thu	13:15 – 14:45	HS 2 (1.12)	Tal 35	Feilhauer, Hannes

Module 12-GGR-M-GFP3

Imaging and Non-imaging Reflectance Spectroscopy – Techniques and Data Analysis (Vohland, Michael)

Imaging and Non-imaging Reflectance Spectroscopy – Techniques and Data Analysis

V/L	Tue	15:15 – 16:00	CP III	Tal 35	Seidel, Michael; Vohland, Michael
Ü/E	Thu	09:15 – 10:45	CP III	Tal 35	Seidel, Michael; Vohland, Michael

Module 12-GEO-M-SK03

Internship (Feilhauer, Hannes)

Internship

		Time and place by arrangement			Feilhauer, Hannes

Please report to the module supervisor for approval of the internship before starting.

Subject to change !!!

Preliminary semester plan
Study Program – Master of Science
Earth System Data Science and Remote Sensing
WiSe 2024/25 – free elective area

1st semester

Module 12-GEO-M-SP01

Applied Topics in Earth System Science (N. N.)

Current topics in Earth System Science
S as a block event in March 2025 Al-Halbouni, Djamil

3rd semester

Module 12-GEO-M-SP01

Applied Topics in Earth System Science (N. N.)

Current topics in Earth System Science
S as a block event in March 2025 Bastos, Ana

Subject to change !!!

Preliminary semester plan
Study Program – Master of Science
Earth System Data Science and Remote Sensing
WiSe 2024/25 – Compulsory elective modules
(Please note that you can also take the following modules as free electives!)

3rd semester

Module 12-111-1036

E2 – Ground-based Radar and Microwave Remote Sensing (Kalesse-Los, Heike)

Remote Sensing of the Atmosphere with Radar and Microwave Radiometer

V/L	Tue	12:45 – 14:15	SR Arktis	Prager Str. 34	Kalesse-Los, Heike

Microwave Remote Sensing

Ü/E	Tue	14:15 – 15:00	SR Arktis	Prager Str. 34	Kalesse-Los, Heike

Module 12-111-1038

E4 – Active Remote Sensing with Lidar (Baars, Holger)

Active Remote Sensing with Lidar

V/L	Wed	10:45 – 12:15	TROPOS	Permoserstr. 15	Baars, Holger

Active Remote Sensing with Lidar

S	Wed	13:00 – 13:45	TROPOS	Permoserstr. 15	Baars, Holger

Subject to change !!!

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CP III = Computer Pool III
SR 1 (0.06) = Seminarraum 1

Location
Tal 35 = Talstraße 35

V/L = Lecture
S = Seminar
Ü/E - Exercise