

Osnabrück University - Department of Mathematics/Computer Science - Institute of Computer Science

Courses in English

Master

summer term¹

no.	Identifier	German title	English title	Contact hours ⁴	ECTS	Dependencies	Frequency
1.	INF-INF-MK-6-S	3D-Sensordatenverarbeitung	3D Sensor Data Processing	4 (L2+T2)	6	desirable: Programming Language C++	every second year
2.	INF-INF-MA-9-C	Komplexe Schedulingprobleme	Complex Scheduling Problems	6 (L2+T2+P2)	9	expected: Combinatorial Optimization	unspecified
3.	INF-INF-ME-6-H	Hardware für eingebettete Systeme	Embedded Systems Hardware	4 (L2+T2)	6	none	every second year
4.	INF-INF-MK-6-C	Machine Learning for Complex Data	Machine Learning for Complex Data	4 (L2+T2)	6	expected: Artificial Intelligence desireable: Knowledge-based Systems: Machine Learning and Knowledge Engineering	annually
5.	INF-INF-ME-6-M	Mobilkommunikation	Mobile Communication	4 (L2+T2)	6	obligatory: Computer Networks	every second year
6.	INF-GI-M-RFE	Regionale Themen der (angewandten) Erdbeobachtung	Regional Topics in (Applied) Earth Observation	6 (L2+S4)	9	recommended: Digital Image Analysis	annually
7.	INF-INF-ME-9-Q	Software Qualität	Software Quality	6 (L4+T2)	9	expected: Software Engineering	every second year
8.	INF-INF-MS-g	Masterseminar ²	Master Seminar ²	2 (S2)	3	topic dependent	annually
9.	INF-GI-M-TFG-y	Ausgewählte Themen der Fernerkundung und Geoinformatik y ³	Selected Topics in Remote Sensing and Geoinformatics y ³	4 (S2+S2)	6	recommended: Digital Image Analysis	annually

winter term¹

no.	Identifier	German title	English title	Contact hours ⁴	ECTS	Dependencies	Frequency
1.	INF-INF-MA-9-F	Fortgeschrittene Graphenalgorithmen	Advanced Graph Algorithms	6 (L4+T2)	9	expected: Graph Algorithms	every second year
2.	INF-GI-M-MFE	Fortgeschrittene Methoden der Fernerkundung	Advanced Methods in Remote Sensing	6 (L2+S4)	9	recommended: Digital Image Analysis	annually
3.	INF-INF-MA-9-A	Algorithm Engineering	Algorithm Engineering	6 (L2+T2+P2)	9	expected: Algorithms II	every second year
4.	INF-INF-MA-6-G	Geometrieverarbeitung	Geometry Processing	4 (L3+T1)	6	expected: Computer Graphics	annually
5.	INF-INF-MK-9-K	Knowledge-based Systems: Machine Learning and Knowledge Engineering	Knowledge-based Systems: Machine Learning and Knowledge Engineering	6 (L4+T2)	9	expected: Database Systems expected: Artificial Intelligence	annually
6.	INF-INF-ME-6-V	Robuste Vernetzte Systeme	Robust Networked Systems	4 (L2+T2)	6	obligatory: Computer Networks	every second year
7.	INF-INF-ME-6-R	Rekonfigurierbare und parallele Rechnerarchitekturen	Reconfigurable and Parallel Computer Architectures	4 (L2+T2)	6	desirable: Design of Microelectronic Systems	annually
8.	INF-INF-MA-6-R	Ressourcenbeschränkte Projektplanung	Resource-Constrained Project Scheduling	4 (L2+T2)	6	expected: Combinatorial Optimization	every second year
9.	INF-GI-M-GDA	Geodatenanalyse	Geo Data Analysis	4 (S2+S2)	6	recommended: Statistics	annually
10.	INF-INF-MS-g	Masterseminar ²	Master Seminar ²	2 (S2)	3	topic dependent	annually
11.	INF-GI-M-TFG-y	Ausgewählte Themen der Fernerkundung und Geoinformatik y ³	Selected Topics in Remote Sensing and Geoinformatics y ³	4 (S2+S2)	6	recommended: Digital Image Analysis	annually

remarks:

¹ The given semester serves only as a hint when the course was last taught.

² There are multiple seminars with changing topics. One seminar per semester in English. Other seminars can be visited; talk and write-up can be in English.

³ There are multiple seminars with changing topics.

⁴ L: lecture, P: practical course, S: seminar, T: tutorial