UNIVERSITÄT OSNABRÜCK

22.04.2022

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

Courses in English

Master

summer term[1]

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-9-W	Wissensbasierte Systeme	Knowledge-based Systems	6 (L4+T4)	9	expected: Artificial Intelligence	every second year
5.	INF-INF-MK-6-C	Machine Learning for Complex Data	Machine Learning for Complex Data	4 (L2+T2)	6	expected: Artificial Intelligence desirable: Knowledge-based Systems: Machine Learning and Knowledge Engineering	annually
6.	INF-INF-ME-6-M	Mobilkommunikation	Mobile Communication	4 (L2+T2)	6	obligatory: Computer Networks	every second year
7.	INF-GI-M-RFE	Regionale Themen der (angewandten) Erdbeobachtung	Regional Topics in (Applied) Earth Observation	6 (L2+S4)	9	recommended: Digital Image Analysis	annually
8.	INF-INF-ME-6-V	Robuste Vernetze Systeme	Robust Networked Systems	4 (L2+T2)	6	obligatory: Computer Networks	every second year
9.	INF-INF-ME-9-Q	Software Qualität	Software Quality	6 (L4+T2)	9	expected: Software Engineering	every second year
10.	INF-INF-MK-6-R	Robotikprojekt	Robotic Project	4 (P4)	6	expected: Robotics desirable: Programming Language C++	every second year
11.	INF-INF-MS-*g*	Masterseminar[2]	Master Seminar[2]	2 (S2)	3	topic dependent	annually
12.	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 term[1]

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-ME-6-R	Rekonfigurierbare und parallele Rechnerarchitekturen	Reconfigurable and Parallel Computer Architectures	4 (L2+T2)	6	desirable: Design of Microelectronic Systems	annually
6.	INF-INF-MA-6-R	Ressourcenbeschränkte Projektplanung	Resource-Constrained Project Scheduling	4 (L2+T2)	6	expected: Combinatorial Optimization	every second year
7.	INF-GI-M-GDA	Geodatenanalyse	Geo Data Analysis	4 (S2+S2)	6	recommended: Statistics	annually
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

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

The **Language Center** offers different courses from level A1 to C1, for example "German as a foreign language".