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

Courses in English

Bachelor

summer term[1]

no.	Identifier	German title	English title	Contact hours[5]	ECTS	Dependencies	Frequency
1.	INF-INF-SYS-RN6	Rechnernetze	Computer Networks	4 (L2+T2)	6	expected: Introduction to Algorithmics	annually
2.	INF-INF-KI-6-M	Entwurf mikroelektronischer Systeme	Design of Microelectronic Systems	4 (L2+T2)	6	expected: Introduction to Technical Computer Science	annually
3.	INF-ESS-K	Konstruktion eingebetteter Softwaresysteme	Embedded Software System Construction	6 (L4+T2)	9	recommended: Introduction to Embedded Software Systems	annually
4.	INF-INF-SK-DBS6	Database Systems	Database Systems	4 (L2+T2)	6	recommended: Introduction to Algorithmics	annually
5.	CS-BF-NI	*Machine Learning* [3]	*Machine Learning* [3]	6 (L4+T2)	12	recommended: Analysis 1 or Linear Algebra 1 or Mathematics for natural sciences I	annually
6.	CS-BWP-MCS	*Scientific Programming in Python* [3]	*Scientific Programming in Python* [3]	2 (L2)	4	expected: Introduction to Programming	annually
7.	INF-ESS-BPG	Bachelor Projektgruppe	Bachelor Project Group	6 (P6)	9	expected: Programming Lab	annually
8.	INF-GI-B-VFG-3-*y*	Vertiefung Fernerkundung und Geoinformatik *y* [4]	Advanced Remote Sensing and Geoinformatics *y* [4]	4 (S2+S2)	3	recommended: Digital Image Analysis	annually
9.	INF-INF-BS-g	Informatik-Seminar[2]	Computer Science Seminar[2]	2 (S2)	3	expected: topic dependent	annually

winter term[1]

no.	Identifier	German title	English title	Contact hours[5]	ECTS	Dependencies	Frequency
1.	INF-INF-ALG-6-X	Approximationsalgorithmen	Approximation Algorithms	4 (L2+T2)	6	expected: Introduction to Algorithmics desirable: Introduction to Theoretical Computer Science desirable: Combinatorial Optimization	every second year
2.	CS-BWP-INF	*Computer Vision* [3]	*Computer Vision* [3]	4 (L2 +T2) or 6 (L4+T2)	8 or 12	strongly recommended: *Neuroinformatics*	annually
3.	CS-BP-NI	*Neuroinformatics* [3]	*Neuroinformatics* [3]	6 (L4+T2)	12	recommended: Analysis 1 or Linear Algebra 1 or Mathematics for natural sciences I	annually
4.	INF-INF-SYS-6-S or INF-INF-SYS-9-S	IT- und Netzwerksicherheit	IT and Network Security	4 (L2+T2) or 6 (L3+T3)	6 or 9	none	every second year
5.	INF-GI-B-VFG-3-*y*	Vertiefung Fernerkundung und Geoinformatik *y* [4]	Advanced Remote Sensing and Geoinformatics *y* [4]	4 (S2+S2)	3	recommended: Digital Image Analysis	annually
6.	INF-INF-BS-g	Informatik-Seminar[2]	Computer Science Seminar[2]	2 (S2)	3	expected: topic dependent	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] Import from the Institute of Cognitive Science

[4] There are multiple seminars with changing topics.

[5] L: lecture, P: practical course, S: seminar, T: tutorial