MSc Computational Sciences - Course Offers

Elective Mathematics and Computer Science Area

last updated: 12.06.2025

Module Code	Module Name	Course Title	WS25	SS26	WS26	SS27
5751 CHighP	High Performance Computing	Introduction to High-Performance Computing				
		Advanced High-Performance Computing				
		Compute Continuum		x		(x)
		Heterogeneous and parallel computing	x		(x)	
5871 CEffiA	Efficient Algorithms	Efficient Algorithms	x		(x)	
5871 CQComp	Quantum Computing	Quantum Information Theory	x	x	(x)	(x)
5751 CEmpSE	Empirical Software Engineering					
5751 ReqEng	Requirements Engineering	Requirements Engineering		x		(x)
5751 VisAna	Visual Analytics	Visual Analytics		x		(x)
5751 CDInfS	Data and Information Science	Machine Learning		x		(x)
		Advanced Machine Learning	x		(x)	
		Deep Learning				
5871 CDAnFT	Data Analysis and Fourier Transform					
5904 InvMod	Inverse Modelling	Inverse Modelling (IM) - Lecture		x		(x)
5871 CProgr	Programming in a Scientific Environment with C++			(x)		(x)

Please note: the course availabilities on this list are not binding and only meant as a guide for your long-term planning. Always double-check the course catalogue in KLIPS2.0!

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5871 CCompS	Computer Science Seminar	various

Legend:	x	(x)	tbc
	confirmed	planned	to be confirmed

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