

Course List

	Course	CSE	MMC	DME	Collection	Storage	Analytics	Consumers
	01227 Graph theory					xx	xxx	
	01405 Error-Correcting Codes		TS		xxx	xx	xx	
	01617 Dynamical Systems 1		TS				xxx	
	02170 Database Systems					xxx		
	02232 Applied Cryptography	TS	TS		xxx	xxx	xx	xx
Core	02239 Data Security	GC			xx	xxx		xx
	02244 Language Based Security	TS			xx	xx		xx
	02249 Computationally Hard Problems	GC	TS		xx	xx	xxx	
	02266 User Experience Engineering	TS		TS	xx			xxx
	02281 Data Logic	TS			xxx	xx	xx	
Core	02282 Algorithms for Massive Data Sets	TS			xxx	xxx	xxx	
Core	02288 "Advanced Databases/Warehouses" (proposal)					xxx		
	02291 System Integration	GC		GC	xx	x	xx	xx
	02407 Stochastic Processes		TS				xxx	
	02409 Multivariate Statistics		GC				xxx	
	02417 Time Series Analysis		TS				xxx	
	02443 Stochastic Simulation		GC				xxx	xx
	02450 Introduction to Machine Learning and Data Modeling			TS			xxx	xx
	02457 Non-linear Signal Processing		TS		xx		xx	
	02458 Cognitive Modelling		TS	TS			xxx	xxx
	02460 Advanced Machine Learning		TS		xx		xxx	xx
	02506 Advanced Image Analysis		TS				xxx	
	02515 Health Technology						xx	xxx
Core	02582 Computational Data Analysis		TS				xxx	
	02586 Statistical Genetics						xxx	
Core	02614 High-Performance Computing		TS			xx	xx	
	02805 Social Graphs and Interactions			GC	xx		xxx	xx
Core	02806 Social Data Analysis and Visualization			GC			xxx	xxx
Core	02807 Computational Tools for Big Data			GC	xx		xxx	xx
	25303 Mathematical Biology				xx		xx	xx
	27411 Biological Data Analysis and Chemometrics						xx	
	27625 Algorithms in Bioinformatics				xx		xx	xx
	30530 Geographical Information Systems		TS		xx	xx	xx	
	42112 Mathematical Programming with Modelling Software		TS				xx	xx

GC = General Competences / TS = Technological Specialization

(x/xx/xxx markings are provisional)