

**290 subject areas for the MS and PhD requirements.**

Quarter	Number	Instructor	Title	Areas	Notes
Winter 13	290A	Egecioglu	Combinatorial Methods and Algorithms	Thy	
	290A	Van Dam	Quantum Information and Quantum Computation	Thy	
	290I	Hollerer	Mixed and Augmented Reality	App	
	290N	Chong	Novel Computing Technologies	Sys	
Spring 13	290C	Bultan	Formal Models for Web Software	Thy	
	290D	Singh	Searching over Big Data	App	
	290I	Turk	Computer Imaging	App	
	290G	Koc	Applied Cryptography	App	
	290N	Yang	Web Search and Advanced Internet Services	App	
Fall 13	290B	Walker	Scalable Internet Services	App	
	290B	Krintz	Recent Cloud Computing Research and Technology	Sys	
	290D	Su	Information Management	App	
Winter 14	290B	Sen	Image Synthesis	App	
	290F	Zhao	Data Intensive Computing Systems	App	
	290G	Tessaro	Introduction to Modern Cryptography	Thy	
	290I	Turk	Mobile Imaging	App	MAT 235
	290I	Kim	Physically Based Simulation and Animation	App	MAT 594A
	290N	Yang	Web Search and Advanced Internet Services	App	
Spring 14	290G	Koc	Cryptographic Engineering	App	
	290I	Wang	Intro to Pattern Recognition, Artificial Neural Networks & Machine Learning	App	
	290N	Chong	Architectural Support for Secure and Reliable Computing	Sys	
	290B	Wolski	Cloud Computing	Sys	
	290H	Gilbert	Graph Laplacians Spectra: Theory & Applications	Thy	
	290D	Yan	Data Mining	App	
	290G	Lin	Secure Computation	Thy	
Fall 14	290A	Suri	Big Data and Networks	Thy	
	290B	Mutz	Scalable Internet Services	App	
	290G	Lin	Foundations of Cryptography	Thy	
Winter 15	290C	Hardekopf	Logic, Computation, and Programming Languages	Thy	
	290D	Höllerer	Social and Biological Networks	Thy	
	290G	Tessaro	Research Topics in Cryptography	Thy	
	290I	Turk	Mobile Imaging	App	MAT 235
	290I	Hollerer	Mixed and Augmented Reality	App	MAT 594A
	290I	Sen	Image Synthesis	App	ECE 594Q
	290N	Yang	Information Retrieval and Advanced Internet Services	App	
Spring 15	290A	Van Dam	Quantum Information and Quantum Computation	Thy	
	290B	Cappello	Java-Centric Cluster & Concurrent Computing	Sys	
	290B	Wolski	Cloud Computing	Sys	
	290D	Yan	Advanced Data Mining	App	
	290D	Su	Management of Data, Processes, and Services	Sys	
	290G	Koc	Cryptographic Engineering	Sys	
	290I	Wang	Intro to Pattern Recognition, Artificial Networks and Machine Learning	App	
Fall 15	290A	Singh	Big Data and Networks	Thy	
	290B	Boe	Scalable Internet Services	App	
	290G	Koc	Elliptic Curve Cryptography	Thy	
	290F	Zhao	Machine Learning in Systems, Networks, and Security	App	
	290I	Höllerer	Mixed and Augmented Reality	App	
Winter 16	290A	Egecioglu	Combinatorial Methods and Algorithms	Thy	
	290C	Bultan	String Analysis	Thy	
	290D	Su	Techniques for Data Integration	Thy	
	290D	O'Donovan	Social and Biological Networks	Thy	
	290F	Zheng	Smartphone-centric Systems and Applications	App	
	290G	Tessaro	Introduction to Modern Cryptography	Thy	
	290I	Gader	Deep Learning for Pattern Recognition	App	

Sys-Systems  
App-Applications  
Thy-Theory/Foundations

**290 subject areas for the MS and PhD requirements.**

	290T	Koc	Computational Algebra	Thy	
Spring 16	291K	Yan	Advanced Data Mining	App	
	292G	Lin	Advanced Topics in Cryptography	Thy	
	293B	Wolski	Cloud Computing	Sys	
	293N	Zheng	Data Driven Networking and Systems Design	Sys	

**\*\*For courses prior to Winter 2013, please contact the Staff Graduate Advisor**

Sys-Systems  
App-Applications  
Thy-Theory/Foundations