

PROJECTED COMPUTER SCIENCE TEACHING CHART

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Course	*	Course Title	2008-09			2009-10		
			1st Term	2nd Term	3rd Term	1st Term	2nd Term	3rd Term
CS 1 (<i>old format</i>)	C	Introduction to Computation	Pinkston & Vanier					
CS 1 (<i>new format</i>)	C	Introduction to Computer Programming (CS 1 revised for 2009-10)				Vanier		
CS 2	C	Introduction to Programming Methods		Barr			Barr	
CS 3		Introduction to Software Engineering			Nystroem			TBD
CS 4	C	Fundamentals of Computer Programming					Vanier	
CS 9		Introduction to Computer Science Research				CS Faculty		
CS 11		Computer Language Shop	Pinkston & Vanier	Pinkston & Vanier	Pinkston & Vanier	Pinkston & Vanier	Pinkston & Vanier	Pinkston & Vanier
CS 21	C	Decidability and Tractability		Umans			Umans	
CS 24	C	Introduction to Computing Systems			Pinkston			Pinkston
CS 38	C	Introduction to Algorithms			Kitaev			Schulman
CS 42		Introduction to Relational Databases		Pinkston			Pinkston	
CS/EE/ME 75 abc		Introduction to Multidisciplinary Systems Engineering						
CS 101		Special Topics in Computer Science: GPU Programming			Barr/ Desbrun			Barr
CS 101		Special Topics in Computer Science: Combinatorial Geometry, Learning and Algorithms		Schulman				
CS 101		Special Topics in Computer Science: Active Learning and Optimized Information Gathering		Krause				

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CS 101		Special Topics in Computer Science: Numerical Geometric Integration		Desbrun/ Mullen				
CS 101		Special Topics in Computer Science: Algorithms in Geometry and Topology		Schröder/ Thite				
CS 102 abc		Seminar in Computer Science						
CS 116		Reasoning about Program Correctness	Joshi					
CS 118		Logic Model Checking		Holzmann			Holzmann	
CS 119		Reliable Software: Testing and Monitoring			Groce/ Havelund			
CS 120		New course to be taught by Mani?						
EE/CS/Ma 127		Error-Correcting Codes						Ho
CS/EE/Ma 129 abc	(a-C),P	Information and Complexity	Abu-Mostafa			Winfree	Winfree	Winfree
ME/CS 132		Advanced Robotics: Navigation and Vision	Murray	Murray	Murray			
CS 138 abc		Computer Algorithms			Liu			
CS 139 abc	P	Concurrency in Computation						
CS 141 abc	P	Distributed Computation Laboratory			Chandy (a)	Chandy	Chandy	Chandy
CS/EE 143	P	Communication Networks				Low		
CS/EE 144	P	Ideas Behind the Web					Wierman	
CS/EE 145 abc	P	Networking (Networking course sequence restructured in AY 09-10)	Low	Low	Low			
CS/EE 145	P	Projects in Networking						Low/ Wierman
CS/EE 146		Advanced Networking					Low	
CS/EE 147		Network Performance Analysis						Wierman
CS 150		Probability and Algorithms						

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CS 151		Complexity Theory			Umans			
CS 153		Current Topics in Theoretical Science						Umans
CS/CNS/EE 154	P	Artificial Intelligence						
CS/CNS/EE 155	P	Probabilistic Graphical Models				Krause		
CS/CNS/EE 156 ab		Learning Systems	Abu-Mostafa			Abu-Mostafa	Abu-Mostafa	
CS/CNS/EE 159	P	Projects in Machine Learning and AI						
CS/CNS 171		Introduction to Computer Graphics Laboratory	Barr			Barr		
CS/CNS 174	P(+2)	Computer Graphics Projects			Barr			Barr
CS 176		Introduction to Computer Graphics Research		Schröder			Desbrun	
CS 177		Discrete Differential Geometry: Theory and Applications	Schröder			Desbrun		
CS/EE 181 abc	P	VLSI Design Laboratory	Martin	Martin				
CS/EE 184 ab		Computer Architecture						
CS 185 abc		Asynchronous VLSI Design Laboratory				Martin	Martin	
CNS/Bi/Ph/CS 187		Neural Computation	Perona/ Winfrey			Perona		
BE/CS/CNS/Bi 191 ab		Biomolecular Computation					Winfrey	Winfrey
Ph/CS 219		Quantum Computation				Kitaev	Kitaev	
CS/EE 245		Special Topics in Networking						
CS/CNS/EE 253		Special Topics in Machine Learning					Krause	
CS 274 abc		Topics in Computer Graphics						
CS 286		Seminar in Computer Science: Distributed Control						

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CS 286		Seminar in Computer Science: Mathematics of Information Seminar	Schulman	Schulman		Schulman	Schulman	Schulman
CS 286		Seminar in Computer Science: Sense and Respond Systems						
CS 286		Seminar in Computer Science: Performance Modeling	Wierman					
CS 286		Seminar in Computer Science: Mathematical Methods in Theoretical Computer Science	Umans					

Key:

(name)	Course is planned to be taught.
blank	May or may not be taught.
	Probably will not be taught.