

SCHOOL OF ENGINEERING AND COMPUTER SCIENCE

**Computer Science textbooks – Fall semester 2009**

Course	Instructor	Book No.	Author	Title	Publisher	Edition	ISBN	Required or Recommended
CS 121	Lang	1.	Campbell, J., Gries, J. Montojo, Wilson, Greg	Practical Programming: An Introduction to Computer Science Using Python	The Pragmatic Bookshelf	April 2009	1934356271 or 9781934356272	Req'd
CS 223	Song	1.	Weiss, Mark Allen	Data Structure & Algorithm Analysis in C++	Addison-Wesley	3rd	032144146X	Req'd
CS 251	Lang	1.	Stephen Kochan	Programming in C	Sams	3rd	0672326663	Req'd.
CS 317	Mocas	1.	Kozen, Dexter C.	Automata and Computability	Springer-Verlag	Latest	0387949070	Req'd.
CS 320	Pilskalns	1.	Pressman, Roger S.	Software Engineering: A Practitioner's Approach	McGraw-Hill	7 <sup>th</sup>	9780073375977	Req'd.
CS 330	Cochran	1.	Cheney, Ward, and Kincaid, David	Numerical Mathematics and Computering	Thomson	6th	9780495114758	Req'd.
CS 402	Mocas	1.	Quinn, Michael J.	Ethics for the Information Age	Addison Wesley	3rd	9780321536853	Req'd.
CS 442	Cochran	1.	Martz, Paul	Open GL Distilled	Addison-Wesley	1st	0321336798	Req'd.
		2.	Angel, Edward	Interactive Computer Graphics	Addison-Wesley	5th	0321535863	Req'd.
CS 447	Wallace	1.	Rabin, Steve	Introduction to Game Development	Charles River Media	1st	1584503377	Recommended

Course	Instructor	Book No.	Author	Title	Publisher	Edition	ISBN	Required or Recommended
CS 450	Mocas	1.	Cormen, Leiserson, Rivest & Stein	Introduction to Algorithms	McGraw Hill	2nd	0070131511	Req'd.
CS 455	Song	1.	Kurose, James F., Ross, Keith W.	Computer Networking – A top-down approach featuring the Internet	Addison-Wesley	4th	9780321497703	Req'd.
		2.	Tanenbaum, Andrew	Computer Networks	Prentice Hall PTR	4th	0130661023	Recommended
CS 516	Cochran	1.	Sipser, Michael	Introduction to the Theory of Computation	Thomson	2 <sup>nd</sup>	9780534950972	Req'd.
		2.	Dasgupta, Sanjoy, Papadimitriou, Christos, Vazirani, Umesh	Algorithms (added as of May 11, 2009)	McGraw-Hill	1st	9780073523408	Req'd.
CS 521	Pilskalns		<b><u>No textbook required</u></b>					
CS 542	Cochran	1.	Martz, Paul	Open GL Distilled	Addison-Wesley	1st	0321336798	Req'd.
		2.	Angel, Edward	Interactive Computer Graphics	Addison-Wesley	5th	0321535863	Req'd.
CS 547	Wallace	1.	Rabin, Steve	Introduction to Game Development	Charles River Media	1st	1584503377	Recommended
Stat 360	Lublinsky	1.	Vining, Geoffrey, and Kowalski, Scott M.	Statistical Methods for Engineers	Duxbury Thompson Brooks/Cole	2 <sup>nd</sup>	0534384730	Req'd.