

Text Book Listing

Fall 2013

ENG 2200 3.0	Electrical Circuits
Required Text:	<u>Electric Circuits, 9th Ed.</u> by Nilsson and Riedel ISBN: 9780136114994; Publisher: Prentice Hall
MATH 1090 3.0	Introduction to Logic for Computer Science
Required Text:	<u>Mathematical Logic</u> by George Tourlakis ISBN: 9780470280744; Publisher: Wiley
CSE 1019 3.0	Discrete Math for Computer Science
Required Text:	<u>Discrete Mathematics and Its Applications</u> , by Kenneth.H. Rosen ISBN: 0073383090; Publisher: McGraw-Hill
CSE 1020 3.0	Introduction to Computer Science I
Required Text:	<u>Java By Abstraction: A Client-View Approach, 3rd Ed.</u> by Hamzeh Roumani ISBN: 9780558819835; Publisher: Pearson Ed.
CSE 1520 3.0	Computer Use: Fundamentals
Required Text:	<u>Computer Science Illuminated, 5th Ed.</u> by Nell Dale and John Lewis ISBN:9780763757564; Publisher: Jones and Bartlett.
CSE 1710 3.0	Programming for Digital Media
Required Text:	<u>Java by Abstraction: A Client-View Approach, 3rd Ed.</u> by Hamzeh Roumani ISBN: 9780558819835; Publisher: Pearson Ed.
CSE 2001 3.0	Introduction to the Theory of Computation
Required Text:	<u>Introduction to the Theory of Computation, 3rd Ed.</u> by Michael Sipser ISBN: 9781133187790; Publisher: Cengage Learning (Nelson Canada)
CSE 2011 3.0	Fundamentals of Data Structures
Required Text:	<u>Data Structures and Algorithms Using Java, 5th Ed.</u> by William McAllister ISBN: 9780763757564; Publisher: Jones and Bartlett
CSE 2021 4.0	Computer Organization
Required Text:	<u>Computer Organization and Design: The Hardware/Software Interface, 4th Ed.</u> by J. Hennessy & David A. Patterson ISBN: 9780123747501; Publisher: Morgan Kaufmann

Required Text: The C Programming Language, 2nd Ed. by Brian Kernighan and Dennis Ritchie
ISBN: 0131103628; Publisher: Prentice Hall

CSE 2501 3.0 Fortran and Scientific Computing

Required Text: Fortran and Scientific Computing, CK F13 by Mike McNamee
Publisher: York University

CSE 3101 3.0 Design and Analysis of Algorithms

Optional Text: How to Think about Algorithms by Jeff Edmonds
ISBN: 9780521614108; Publisher: Cambridge University Press

CSE 3121 3.0 Numerical Methods I

Required Text: Numerical Methods I, CK F13 by Mike McNamee
Publisher: York University

CSE 3201 3.0 Digital Logic Design

Required Text: Fundamentals of Digital Logic with Verilog Design, 3rd Ed. By Stephen Brown and Zvonko Vranesic
ISBN: 9780073380339; Publisher: McGraw-Hill

CSE 3213 3.0 Communication Networks

Required Text: Communication Networks: Fundamental Concepts and Key Architectures, 2nd Ed. by Alberto Leon-Garcia
ISBN: 0071198482; Publisher: McGraw-Hill

CSE 3221 3.0 Operating System Fundamentals

Required Text: Operating System Concepts, 9th Ed. By A. Silberschatz, P. Galvin and G. Gagne
ISBN: 9781118063330; Publisher: Wiley

CSE 3311 3.0 Software Design

Optional Text: Object-Oriented Software Construction by Bertrand Meyer
ISBN: 0136291554; Publisher: Prentice Hall

CSE 3401 3.0 Functional and Logic Programming

Required Text: Prolog Programming for Artificial Intelligence, 4th Ed. By Ivan Bratko
ISBN: 9780321417466; Publisher: Pearson Ed

CSE 3421 3.0 Introduction to Database Systems

Required Text: Database Management Systems by Ramakrishnan and Gerke
ISBN: 0072465638; Publisher: McGraw-Hill

CSE 3431 3.0 Introduction to 3D Computer Graphics

Required Text: Interactive Computer Graphic: A Top-Down Approach with Shader-Based Open GL, 6th Ed. By Edward Angel and Dave Shreiner
ISBN: 0132545233; Publisher: Addison Wesley

CSE 3451 3.0 Signals and Systems

Required Text: Continuous-Time and Discrete-Time Signals and Systems by M. Mandal and A. Asif
ISBN: 9780521854559; Publisher: Cambridge University Press

CSE 3481 3.0 Applied Cryptography

Required Text: Introduction to Cryptography with Coding Theory by Trappe and Washington
ISBN: 9780131862395; Publisher: Pearson Prentice-Hall

CSE 4080 3.0	Computer Science Project
Required Text:	N/A
CSE 4081 6.0	Intelligent Systems Project
Required Text:	N/A
CSE 4082 6.0	Interactive Systems Project
Required Text:	N/A
CSE 4084 6.0	Communication Networks Project
Required Text:	N/A
CSE 4088 6.0	Computer Science Capstone Project
Required Text:	N/A
CSE 4090 6.0	Software Engineering Project
Required Text:	N/A
CSE 4115 3.0	Computational Complexity
Required Text:	<u>Introduction to the Theory of Computation, 3rd Ed.</u> By Michael Sipser ISBN: 9781133187813; Publisher: Cengage Learning (Nelson Canada)
CSE 4201 3.0	Computer Architecture
Required Text:	<u>Computer Architecture Quantitative Approach, 5th Ed.</u> By Hennessy and Patterson ISBN: 9780521854559; Publisher: Elsevier (Morgan Kaufmann)
CSE 4214 3.0	Digital Communications
Required Text:	<u>Digital Communications: Fundamentals and Applications, 2nd Ed.</u> By Bernard Sklar ISBN: 9780130847881; Publisher: Prentice Hall
CSE 4312 3.0	Software Engineering Requirements
Optional Text:	<u>Software Requirements: Style and Techniques, 1st Ed.</u> by Soren Lauesen ISBN: 9780201745702; Publisher: Addison-Wesley
Optional Text:	<u>Logic in Computer Science: Modelling and Reasoning about Systems, 2nd Ed</u> by Michael Huth and Mark Ryan ISBN: 9780521543101; Publisher: Cambridge University Press
CSE 4404 3.0	Machine Learning and Pattern Recognition
Required Text:	<u>Machine Learning</u> by Kevin Murphy ISBN: 0262018020; Publisher: MIT Press
CSE 4412 3.0	Data Mining
Optional Text:	<u>Data Mining: Concepts and Techniques, 3rd Ed.</u> By Han, Kamber and Pei ISBN: 9780123814791; Publisher: Morgan Kaufmann
CSE 4422 3.0	Computer Vision
Required Text:	<u>Computer Vision Algorithms and Applications</u> by Richard Szeliski ISBN: 9781848829343; Publisher: Springer

CSE 4480 3.0	Computer Security Project
Required Text:	N/A

CSE 4482 3.0	Computer Security Management
Required Text:	<u>Computer Security – Protecting Digital Resources, 2010</u> by Robert C. Newman ISBN: 9780763759940; Publisher: Jones and Bartlett
Required Text:	<u>Management of Information Security, 3rd Ed.</u> by M.E. Whitman and H.J. Mattord ISBN: 9781435488847; Publisher: Cengage Learning

GS/CSE 5323 3.0	Computer Vision
Required Text:	<u>Computer Vision Algorithms and Applications</u> by Richard Szeliski ISBN: 9781848829343; Publisher: Springer

GS/CSE 5327 3.0	Machine Learning and Pattern Recognition
Required Text:	<u>Machine Learning</u> by Kevin Murphy ISBN: 0262018020; Publisher: MIT Press

GS/CSE 6118 3.0	Combinatorial Optimization
Optional Text:	<u>Convex Optimization, 2004 Ed.</u> By Stephen Boyd and Lieven Vandenberghe ISBN: 9780521833783; Publisher: Cambridge University Press
Optional Text:	<u>Optimization: Insights and Applications, 2005 Ed.</u> By Brinkhuis and Tikhomirov ISBN: 9780691102870; Publisher: Princeton University Press
Optional Text:	<u>Combinatorial Optimization: Algorithms and Complexity</u> by Papadimitriou and Steiglitz ISBN: 0486402584; Publisher: Courier Dover, 1998

GS/CSE 6329 3.0	Advanced Human-Computer Interaction
Required Text:	<u>Advanced Human-Computer Interaction</u> by MacKenzie, I.S. ISBN: 9780124058651; Publisher: Elsevier
