

York University
Department of Computer Science & Engineering
Revised December 21, 2012

Text Book Listing
Winter 2013

CSE 1020 3.0M	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 1030 3.0M	Introduction to Computer Science II
Required Text:	<u>Absolute Java, 5th Ed.</u> by Walter Savitch and Kenrick Mock ISBN: 978-0132830317; Publisher: Addison-Wesley
CSE 1030 3.0Z	Introduction to Computer Science II
Required Text:	<u>Absolute Java, 5th Ed.</u> by Walter Savitch and Kenrick Mock ISBN: 978-0132830317; Publisher: Addison-Wesley
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 1530 3.0N	Computer Use: Programming
Required Text:	URL: http://www.cse.yorku.ca/~peterc/VBhandbook/
CSE 1560 3.0M	Computing for Math and Statistics
Required Text:	<u>Mathematical Computing: An Introduction to Programming Using Maple</u> by David Betounes and Mylan Redfern ISBN: 0387953310; Publisher: Springer-Verlag
CSE 1570 3.0M	Introduction to Computing for Psychology
Optional Text:	<u>Matlab for Psychologists</u> by Mauro Borgo, Alessandro Soranzo and Massimo Grassi ISBN: 9781461421962; Publisher: Springer
CSE 1720 3.0M	Building Interactive Systems
Required Text:	<u>Java By Abstraction: A Client-View Approach, 3rd Ed.</u> by Hamzeh Roumani ISBN: 9780558819835; Publisher: Pearson Ed
CSE 2001 3.0Z	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

CSE 2011 3.0Z	Fundamentals of Data Structures
Required Text:	<u>Data Structures and Algorithms in Java, 5th Ed.</u> by Michael T. Goodrich and Roberto Tamassia ISBN: 9780470383261; Publisher: Wiley
CSE 2021 4.0M	Computer Organization
Required Text:	<u>Computer Organization and Design: The Hardware/Software Interface, 4th Ed.</u> by D. Patterson and J. Hennessy ISBN: 9780123744937; Publisher: Morgan Kaufmann
CSE 2031 3.0M	Software Tools
Required Text:	<u>The C Programming Language, 2nd Ed.</u> by Brian Kernighan and Dennis Ritchie ISBN: 0131103628; Publisher: Prentice Hall
Required Text:	<u>Practical Programming in the UNIX Environment</u> by Wolfgang Sturzlinger ISBN 0536749965; Publisher: Pearson Custom Publishing, 2003
CSE 3101 3.0Z	Design and Analysis of Algorithms
Required Text:	<u>Introduction to Algorithms, 3rd Ed.</u> by T.H. Cormen, C.E. Leiserson, R.L. Rivest and C. Stein ISBN: 9780262033848; Publisher: MIT Press
CSE 3213 3.0M	Communication Networks
Required Text:	<u>Communication Networks, 2nd Ed.</u> by A. Leon-Garcia and I. Widjaja ISBN: 9780072463521; Publisher: McGraw-Hill
CSE 3214 3.0M	Computer Network Protocols and Applications
Required Text:	<u>Computer Networking: A Top-Down Approach, 6th Ed.</u> by James F. Kurose and Keith W. Rose ISBN: 9780132856201; Publisher: Addison-Wesley
CSE 3215 3.0Z	Embedded Systems
Required Text:	<u>Embedded System Design: A Unified Hardware/Software Introduction, 1st Ed.</u> by Frank Vahid and Tony Givargis ISBN: 9780471386780; Publisher: Wiley
CSE 3221 3.0Z	Operating System Fundamentals
Required Text:	<u>Operating System Concepts, 8th Ed.</u> By A. Silberschatz, P. Galvin and G. Gagne ISBN: 0470128720; Publisher: Wiley
CSE 3311 3.0Z	Software Design
Required Text:	<u>Object-Oriented Software Construction, 2nd Ed.</u> by Bertrand Meyer ISBN: 9780136291558; Publisher: Prentice Hall (2007)
CSE 3342 3.0	System Specification and Requirement
Optional Text:	<u>Modeling in Event-B – System and Software Engineering</u> by Jean-Raymond Abrial ISBN: 9780521895569; Publisher: Cambridge University Press (2010)
CSE 3401 3.0M	Functional and Logic Programming
Required Text:	<u>Artificial Intelligence: A Modern Approach, 3rd Ed.</u> by Stuart Russell and Peter Norvig ISBN: 9780136042594; Publisher: Pearson-Prentice Hall
Required Text:	<u>Programming in Prolog, 5th Ed.</u> by W.F. Clocksin and C.S. Mellish ISBN: 0783540006787; Publisher: Springer-Verlag

CSE 3421 3.0	Introduction to Database Systems
Required Text:	<u>Database Management Systems, 3rd Ed.</u> by Raghu Ramakrishnan and Johannes Gehrke ISBN: 9780072465631; Publisher: McGraw-Hill
CSE 4101/5101 3.0M	Advanced Data Structures
Optional Text:	<u>Introduction to Algorithms, 3rd Ed.</u> by T.H. Cormen, C.E. Leiserson, R.L. Rivest and C. Stein ISBN: 9780262033848; Publisher: MIT Press
CSE 4111/5111 3.0M	Automata and Computability
Required Text:	<u>Theory of Computation</u> by George Tourlakis ISBN: 9781118014783; Publisher: Wiley
CSE 4215/5431 3.0M	Mobile Communications
Required Text:	<u>Introduction to Wireless Systems, 1st Ed.</u> by Bruce A. Black, Philip S. DiPiazza, et al. ISBN: 9780132782241; Publisher: Prentice Hall
CSE 4313 3.0M	Software Engineering Testing
Required Text:	<u>Software Testing: A Craftsman's Approach, 3rd Ed.</u> by Paul C. Jorgensen ISBN: 9780849374753; Publisher: CRC Press
Optional Text:	<u>Introduction to Software Testing</u> by Paul Ammann and Jeff Offutt ISBN: 9780521880381; Publisher: Cambridge University Press (2008)
CSE 4411 3.0M	Database Management Systems
Required Text:	<u>Database Management Systems, 3rd Ed.</u> by Raghu Ramakrishnan and Johannes Gehrke ISBN: 9780072465631; Publisher: McGraw-Hill
CSE 4421/5324 3.0Z	Introduction to Robotics
Required Text:	<u>Probabilistic Robotics</u> by Sebastian Thrun, Wolfram Burgard and Dieter Fox ISBN: 9780262201629; Publisher: MIT Press
CSE 4431/5331 3.0M	Advanced Topics in 3D Computer Graphics
Required Text:	<u>OpenGL 4.0 Shading Language Cookbook</u> by David Wolff ISBN: 9781849514767; Publisher: Packt Publishing
CSE 4471 3.0M	Introduction to Virtual Reality
Optional Text:	<u>Stepping Into Virtual Reality (2008)</u> by Mario Gutierrez, F. Vexo and Daniel Thalmann ISBN: 9781848001169; Publisher: Springer
CSE 4491 4.0M	Computer Games: Simulation and Animation
Required Text:	<u>Computer Animation Algorithms and Techniques, 3rd Ed.</u> by Rick Parent ISBN: 9780124158429; Publisher: Morgan Kaufman