

York University
Department of Computer Science & Engineering
Revised August 17, 2006

Text Book Listing

Fall 2006

CSE 1020 3.0	Introduction to Computer Science I
Required Text:	<u>Java By Abstraction: A Client-View Approach</u> by H. Roumani ISBN: 0-321-22689-5; Publisher: PearsonEd.
CSE 1030 3.0	Introduction to Computer Science I I
Required Text:	<u>Absolute Java</u> by Walter Savitch ISBN: 0-321-33024-2; Publisher: Addison Wesley
CSE 1520 3.0	Introduction to Computer Use: Fundamentals
Required Text:	<u>Computer Science Illuminated; 2ne Ed.</u> by Nell Dale and John Lewis ISBN: 0-7637-0799-6; Publisher: Jones and Bartlett.
CSE 1530 3.0	Introduction to Computer Use: Programming
Required Text:	Course Kit & Course Website
Reference Text:	<u>Programming in Visual Basic 6.0 (2nd edition)</u> by J.C. Bradley and A.C. Millspaugh ISBN: 007251874X; Publisher: McGraw Hill, 2004
*CSE 1540 3.0	Computer Use for the Natural Science Systems
Required Text:	Course Website
CSE 2001 3.0	Introduction to the Theory of Computation
Required Text:	<u>Introduction to the Theory of Computation</u> by Michael Sipser ISBN: 0-534-95097-3; Publisher: Thomson Course Technology
CSE 2011 3.0	Fundamentals of Data Structures
Required Text:	<u>Data Structures and Algorithms in Java</u> by Mark Allen Weiss ISBN: 0-321-37013-9; Publisher: Addison-Westley
CSE 2021 4.0	Computer Organization
Required Text:	<u>Computer Organization and Design: The Hardware/Software Interface</u> by Patterson & Hennessy ISBN: 1-55860-604-1; Publisher: Elsevier (Morgan Kaufmann)

CSE 2031 3.0A

Required Text:

Software ToolsPractical Programming in the Unix Environment by Wolfgang Sturzlinger

ISBN: 0-536-74996-5; Publisher: Pearson Education

The C Programming Language by Brian Kernighan and Dennis Ritchie

ISBN: 0-13-110362-8; Publisher: Prentice Hall

Reference Text:

UNIXR Shells fourth Ed. By Ellie Quigley

ISBN: 0-13-147572-X; Publisher: Prentice Hall

CSE 2550 1.0**Introduction to C# Programming**

Required Text:

From Java to C# by Glenn W. Rowe

ISBN: 0-321-15572-6; Publisher: Addison Wesley

CSE 3101 3.0A**Design and Analysis of Algorithms**

Required Text:

Course Kit & Course Website

CSE 3101 3.0 B**Design and Analysis of Algorithms**

Required Text:

Stein

Introduction to Algorithms by T. Cormen, C. Leiserson, R. Rivest, and C.

ISBN: 0-262-03293-7; Publisher: MIT Press

CSE 3121 3.0B**Introduction to Numerical Computations I**

Required Text:

Course Kit

CSE 3201 4.0**Digital Logic Design**

Required Text:

Digital Design, 3rd Ed. by M. Morris Mano

ISBN: 0-13-062121-8; Publisher: Prentice Hall

CSE 3213 3.0**Computer Networks I**

Required Text:

Communication Networks: Fundamentals Concepts and key Architectures by Leon-

Garcia & Widjaja ISBN: 0-072-46352-X; Publisher: McGraw Hill

CSE 3221 3.0**Operating System Fundamentals**

Required Text:

Operating System Concepts, 7th Ed. by Gagne, Silberschatz & Galvin

ISBN: 0-471-69466-5; Publisher: John Wiley & Sons

COSC3301 3.0**Programming Language Fundamentals**

Required Text:

Course Notes (to be purchased in class)

Required Ref.:

The Java Language Specification, 3rd Ed. by James Gosling, et. al.

ISBN: 0321246780; Publisher: Addison Wesley

CSE 3311 3.0**Software Design**

Required Text:

Object-Oriented Software Construction by Bertrand Meyer

ISBN: 0-13-629155-4; Publisher: Prentice Hall

Reference Text:

Object-Oriented Programming In Eiffel, 2nd Ed. by Pete Thomas & Ray Weedon

ISBN: 0-201-33131-4; Publisher: Addison Wesley

CSE 3401 3.0	Functional and Logic Programming
Required Text:	<u>Common LISPcraft</u> by Robert Wilensky ISBN: 0-393-95544-3; Publisher: W.W. Norton & Company <u>Programming in Prolog, 5th Ed</u> by W.F. Clocksin, C.S. Melish ISBN: 0-540-00678-8; Publisher: Springer-Verlag
CSE 3421 3.0	Introduction to Database Systems
Required Text:	<u>Database Management Systems</u> by Raghu Ramakrishnan and Johannes Gehrke ISBN: 0-07-246563-8; Publisher: McGraw Hill
CSE 3431 3.0	Introduction to 3D Graphics
Required Text:	Interactive Computer Graphics: A Top-Down Approach Using OpenGL, 4/E by E. Angel ISBN: 0-321-32137-5; Publisher: Pearson Addison Wesley
CSE 3451 3.0	Signals and Systems
Required Text:	<u>Signals and Systems, 2nd Ed.</u> by A. V. Oppenheim and A. S. Willsky with S. Hamid ISBN: 978-0-13-814757-0; Publisher: Prentice Hall
CSE 3461 3.0	User Interfaces
Required Text:	Contact instructor at the start of classes.
CSE 4101 3.0	Advanced Data Structures
Required Text:	<u>Introduction to Algorithms</u> by T.H. Cormen, C.E. Leiserson, R. L. Rivest & C. Stein ISBN: 0-07-013151-1; Publisher: McGraw Hill
CSE 4111 3.0A	Automata and Computability
Required Text:	<u>Introduction to the theory of computation, 2nd Ed.</u> by Michael Sipser ISBN: 0534950973; Publisher Wadsworth Publishing Company
*COSC4201 3.0	Computer Architecture
Required Text:	<u>Computer Architecture: A Quantitative Approach</u> by Hennessy, Patterson & Goldberg ISBN: 1-55860-596-7; Publisher: Morgan Kaufmann
CSE 4210 3.0	Architecture and Hardware for DSP
Required Text:	<u>VLSI Digital Signal Processing Systems: Design and Implementation</u> by Keshab Parhi ISBN: 0-471-24186-5; Publisher: Wiley Interscience
CSE 4213 3.0	Computer Networks II
Required Text:	<u>Computer Networking: A Top-Down Approach Featuring the Internet</u> by James F. Kurose ISBN: 0321227352; Publisher: Addison Wesley
CSE 4214 3.0	Digital Communications

CSE 4301 3.0
Programming Language Design

CSE 4312 3.0
Software Engineering Requirements

CSE 4411 3.0
Database Management Systems

CSE 4413 3.0
Building E-Commerce Systems

CSE 4422 3.0
Computer Vision

* Textbooks are not confirmed