



Library Services Course Guide ~ Computer Science & Information Systems

Courses listed in the RPCC General Catalog:

Computer Science (CSCI)

- CSCI 1010: Introduction to Computer Technology
- CSCI 1200: Introduction to Computer Programming Logic
- CSCI 1500: Computer Programming C++
- CSCI 2010: Software Applications I
- CSCI 2020: Software Applications II
- CSCI 2025: Web Design I
- CSCI 2030: Computer Game Criticism
- CSCI 2140: Computer Programming Visual Basic
- CSCI 2240: Introduction to Java Programming
- CSCI 2250: Advanced Java Programming
- CSCI 2310: Management Information Systems
- CSCI 2500: Advanced C++ and Data Systems
- CSCI 2510: Database Management Systems

Information Systems (ISDS)

- ISDS 1100: Introduction to Management Information Systems

Suggested Databases:

Click on any **Databases** link on the Library website to access these. Please note that access from off-campus will require your User ID or Alt ID & PIN.

- **Academic Search Complete**
- **Computer Science Index**
- **Computer Source**
- **Science and Technology Collection**

Selected Netlibrary E-Books:

NetLibrary - Provides access to over 59,000 ebooks (electronic copies of printed books, often in PDF format) 24 hours a day, 7 days a week. NetLibrary has an easy to use search interface. (You will need a NetLibrary account to access these e-books from off-campus. Please see the tutorial, Accessing & Using NetLibrary for more information.)

General Reference

- *The Complete Idiot's Guide to Computer Basics*, 2002, by Joe Kraynak.
- *Computer Science Illuminated* 2002, by Nell B. Dale.
- *Schaum's Outline of Principles of Computer Science*, 2008, by Carl Reynolds.

Programming

- *Concepts in Programming Languages*, 2003, by John C. Mitchell.
- *Sams Teach Yourself C++ in 21 Days*, 5th Edition, 2005, by Jesse Liberty.
- *Visual Languages for Interactive Computing: Definitions and Formalizations*, 2008, by Fernando Ferri.

Applications

- *Microsoft Excel Functions & Formulas*, 2006, by Bernd Held.
- *Microsoft Office Access 2003 in a Snap*, 2005, by Alison Balter.
- *Microsoft Office Word 2003, Quicksteps*, 2005, by Martin S. Matthews.
- *Power Points! : How to Design and Deliver Presentations that Sizzle and Sell*, 2007, by Harry Mills.

Web Design

- *Ajax: The Complete Reference*, 2008, by Thomas A. Powell.
- *JavaScript in 24 Hours: Sam's Teach Yourself in 24 Hours Series*, 4th Edition, 2007, by Michael G. Moncour.
- *Sams Teach Yourself Web Publishing with HTML ad CSS in One Hour a Day*, 2006, by Laura Lemay.

Information Systems - ISDS

- *Information Systems: Critical Perspectives*, 2008, by Bernd Carsten Stahl.
- *Managing Corporate Information Systems Evolution and Maintenance*, 2005, by Khaled M. Khan.
- *Strategic Information Management: Challenges and Strategies in Managing Information Systems*, 3rd Edition, 2003, by Robert Galliers.

Locations of Computer Science & Information Systems Resources in the Library:

Computer Science & Information Systems related topics can be found in resources located in these Library of Congress call number ranges:

- **HF5547 to HF5548.5** - Office management, office automation, including Word processing, Data processing, Software development, and Special computers, systems or programs.
- **QA75 to QA76.95** - Electronic computers. Computer science.
 - **QA76.15** - Communication of computer science information.
 - **QA76.17** - Computer science: History, Biography.
 - **QA76.6** - Programming.
 - **QA76.7** - Programming languages.
 - **QA76.75** - Computer software.
 - **QA76.76.O63** - Operating systems
- **T58.5 to T58.62** - Technology: Information technology, Management information systems.
- **T385** - Computer graphics.
- **TK5105** - Data transmission systems.
- **TK5105.5** - Computer networks.
- **TK5105.888** - World Wide Web
- **Z52** - Word processing

Selected Books in the Library:

General Reference

- *Encyclopedia of Computer Science*, 4th Edition, 2000.
Call number: **QA 76.15 .E48 2000 REF**; 2 copies available.
- *The Essential Guide to Computing*, 2001
Call number: **QA 76.5 .W287 2001**
- *The Facts on File Dictionary of Computer Science*, 2001.
Call number: **QA 76.15 .F345 2001**
- *Webster's New World Dictionary of Computer Terms*, 8th Edition, 2000.
Call number: **QA 76.15 .P395 2000 REF**

Programming

- *C++ Demystified: A Self-Teaching Guide*, 2004.
Call number: **QA 76.73 .C153 K457 2004**
- *An Introduction to Object-Oriented Programming with Java*, 4th Edition, 2006.
Call number: **QA 76.64 .W78 2006**
- *OOP Demystified: A Self-Teaching Guide*, 2004.
Call number: **QA 76.64 .K45 2004**
- *Teach Yourself Visual Basic*, 2004.
Call number: **QA 76.73 .B3 B735 2004**

Applications

- *Microsoft Office 2007 Simplified*, 2007.
Call number: **HF 5548.4 .M525 K729335 2007**
- *Windows Vista : The Complete Reference*, 2007
Call number: **QA 76.76 .O63 L4864 2007**
- **Access**
 - *Microsoft Office Access 2007 : All-in-One Desk Reference for Dummies*
Call number: **QA 76.9 .D3 S56 2007**
 - *New Perspectives on Microsoft Office Access 2007*, 2008.
Call number: **QA 76.9 .D3 A339333 2008**
 - *Teach Yourself Visually Microsoft Office Access 2007*, 2007.
Call number: **QA 76.9 .D3 W36 2007**
- **Excel**
 - *Excel 2007 All-in-One Desk Reference for Dummies*, 2007.
Call number: **HF5548.4 .M523 2007**
 - *Excel 2007 Top 100 Simplified Tips & Tricks*, 2007
Call number: **HF5548.4 .M523 E83 2007**
 - *Teach Yourself Visually Excel 2007*, 2007.
Call number: **HF5548.4 .M523 M85 2007**
- **PowerPoint**
 - *Microsoft Office PowerPoint 2007*, 2007
Call number: **T385 .M388 2007**
 - *PowerPoint 2007 for Dummies*, 2007.
Call number: **T385 .L6927 2007**
 - *Teach Yourself Visually Microsoft Office PowerPoint 2007*, 2007
Call number: **T385 .B8255 2007**
- **Word**
 - *Microsoft Office Word 2007 Quicksteps*, 2007.
Call number: **Z 52.5 .M52 M388 2007**
 - *Teach Yourself Visually Word 2007*, 2007.
Call number: **Z 52.5 .M52 M351 2007**
 - *Word 2007 All-in-One Desk Reference for Dummies*, 2007
Call number: **Z 52.5 .M52 L69 2007**

Web Design

- *Exploring Web Design*, 2005.
Call number: **TK 5105.888 .V47 2005**
- *Macromedia Dreamweaver MX 2004 Demystified*, 2004.
Call number: **TK 5105.8885 .D74 G8656 2004**

- *Microsoft Office Frontpage 2003, Quicksteps*, 2004.
Call number: **TK 5105.8885 .M53 M385 2005**
- *Web Standards Design Guide*, 2005.
Call number: **TK 5105.888 .R87 2005**

Information Systems - ISDS

- *Encyclopedia of Information Systems*, in 4 volumes, 2003
Call number: **T58.5 .E535 2003 REF**

Online Resources:

The following resources have been reviewed and selected in collaboration with relevant faculty. Please note that websites outside of RPCC are beyond our control. We strive to ensure that the sites that we recommend are reliable and valid sources of high-quality information. Please let us know if you find any consistently dead links.

General Reference

- **About.com: Computing & Technology**

<http://www.about.com/compute>

The Computer & Technology section of the popular and well-regarded online resource.

- **Free Computer Tutorials**

<http://www.homeandlearn.co.uk/>

Free online tutorials covering computing basics, several applications and programming languages.

- **GRADE: Game Ratings and Disguised Education,**

<http://www.artificialwisdom.com/>

This site, from ArtificialWisdom.com, rates computer and video games, focusing particularly on their educational value.

- **How Stuff Works - Computer Channel**

<http://computer.howstuffworks.com/>

Includes information on hardware, software, peripherals, security and the Internet.

- **Jan's Illustrated Computer Literacy 101**

<http://www.jegsworks.com/Lessons/index.html>

These are very user-friendly tutorials on computer basics, including common basic applications. Each section includes relevant quizzes, exercises, glossaries and appendices, and is searchable.

- **PCWorld**

<http://www.pcworld.com>

The online version of PCWorld magazine, offers news, product reviews, and more.

- **ScienceDaily – Computers & Math News**

http://www.sciencedaily.com/news/computers_math/

The Computer and Math section of ScienceDaily, a highly-rated web resource of news and research in science, technology, and medicine from universities and other organizations around the world.

- **Sharpened.net**

<http://www.sharpened.net/>

Includes a glossary of computer terms, help pages, resources and reviews.

- **Webopedia**

<http://www.webopedia.com/>

Online Computer Dictionary for Computer and Internet Terms and definitions

Programming

- **Introduction to programming Using Java, 5th Ed., by David Eck**

<http://math.hws.edu/javanotes/>

“A free, on-line textbook on introductory programming.”

- **The Java Tutorials**

<http://java.sun.com/docs/books/tutorial/index.html>

Free Java tutorials from Sun Microsystems

- **C++ Language Tutorial**

<http://www.cplusplus.com/doc/tutorial/>

“These tutorials explain the C++ language from its basics up to the newest features of ANSI-C++, including basic concepts such as arrays or classes and advanced concepts such as polymorphism or templates. The tutorial is oriented in a practical way, with working example programs in all sections to start practicing each lesson right away.”

Applications

- **Excel & Word 2007 Tutorials**

<http://www.free-training-tutorial.com/>

Free tutorials on Excel & Word 2007 that cover the basics of these applications.

- **Microsoft Office Online Training**

<http://office.microsoft.com/en-us/training/FX100565001033.aspx>

“Free self-paced training courses” for Microsoft Office 2007 and 2003 applications from Microsoft.

- **MrExcel.com: Microsoft Excel Tips**

<http://www.mrexcel.com>

Offers numerous tips and tutorials for Microsoft Excel.

Web Design

- **HTML Goodies**

<http://htmlgoodies.earthweb.com/>

Offers primers and tutorials on website development; also has discussion forums.

- **MSXML**

<http://msdn2.microsoft.com/en-us/library/ms763742.aspx>

Documentation from MSDN (**Microsoft Developer Network**) for using XML-based applications.

- **W3C: World Wide Web Consortium**

<http://www.w3.org>

The international organization whose members work to develop standards, protocols and guidelines for web development to “ensure long-term growth for the Web.”

- **Web Developer’s Virtual Library**

<http://wdvl.internet.com/>

Includes discussion forums, product reviews, articles, and tutorials, as well as some free developer tools.

Information Systems - ISDS

- **Laynetworks**

<http://www.laynetworks.com/index.asp>

Free computer science and management tutorials; includes tutorials on networking, OS Linux and Unix, source code, script & languages, protocols, and a glossary.