



Library Services Course Guide ~ Computer Science & Information Systems

About our Course Guides:

Each page is dedicated to the areas covered by the courses offered here at RPCC. Each page lists various types of resources, including printable guides and handouts, suggested databases for research, selected e-books and books in our collection, and links to relevant online resources.

For more information on course offerings, visit the following web pages:

Catalogs: <http://www.rpcc.edu/catalogs.cfm>

Technical Programs: <http://www.rpcc.edu/technicalPrograms.cfm>

Suggested Databases:

Click on any **Databases** link on the Library website to access these. Please note that access from off-campus will require your Library User ID (or Alt ID) & PIN, or, for some resources, a different User ID and/or Password. See our page on [Using Online Library Resources From Home](#).

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

Selected E-Books:

The **eBook Collection** from EBSCOhost is our largest provider of e-books (electronic copies of printed books PDF format), available 24 hours a day, 7 days a week. **eBook Collection** has an easy-to-use search interface. You will be prompted to login with your 12-digit Library User ID to access these e-books from off-campus. Please see our Tutorials on eBook Collection from EBSCOhost 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

- *Essentials of Programming Languages, 3rd Edition*, 2008, by Daniel P. Friedman & Mitchell Wand.
- *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 Office 2010 Quicksteps*, 2010 by Carole Matthews, et al.
- *Microsoft Office 2007 Quicksteps*, 2009, by Carole Matthews & Martin Matthews.
- *Excel 2007 Charts Made Easy*, 2009, by Kathy Jacobs, et al.
- *Excel 2007 Macros Made Easy*, 2009, by Gail Perry.
- *Microsoft Office Access 2003 in a Snap*, 2005, by Alison Balter.
- *Touch Typing in Ten Hours: How to Use the Essential's of Microsoft Word 2007*, 3rd Edition, 2009, by Ann Dobson.

- *PowerPoint Detox: Reinvent Your Slides and Add Power to Your Presentation*, 2009, by Patrick Forsyth.
- *Power Points!: How to Design and Deliver Presentations that Sizzle and Sell*, 2007, by Harry Mills.

Web Design

- *How to Design and Write Web Pages Today*, 2011, by Karl Stolley.
- *HTML, XHTML & CSS Quicksteps*, 2010, by Guy Hart-Davis.
- *Web Design: A Beginner's Guide*, 2nd Edition, 2010, by Wendy Willard.
- *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

- *Enterprise Information Systems: Concepts, Methodologies, Tools and Applications*, 2011.
- *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.

Visit our eBook Collections, <http://library.rpcc.edu/ebooks.html>, for links to eBook Collection from EBSCOhost and other e-book collections. Please note that books that are still protected by copyright may not be available online in full-text from the free sources.

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

- *Computers Simplified*, 7th Edition, 2007
Call number: **QA 76.5 .M2269 2007**
- *Encyclopedia of Computer Science*, 4th Edition, 2000.
Call number: **QA 76.15 .E48 2000 REF**
- *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**

Access

- *Microsoft Office Access 2007 : All-in-One Desk Reference for Dummies*
Call number: **QA 76.9 .D3 S56 2007**
- *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

- *Beyond Bullet Points: Using Microsoft Office PowerPoint 2007 to Create Presentations that Inform, Motivate, and Inspire*, 2008
Call number: **HF 5718.22 .A87 2008**
- *Microsoft Office PowerPoint 2007 Quicksteps*, 2007
Call number: **HF 5718.22 .M388 2007**
- *PowerPoint 2007 for Dummies*, 2007.
Call number: **HF 5718.22 .L6927 2007**
- *Teach Yourself Visually Microsoft Office PowerPoint 2007*, 2007
Call number: **HF 5718.22 .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 Accessibility: Web Standards and Regulatory Compliance*
Call number: **TK 5105.8885 .W3676 2006**
- *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.

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/>

Includes tutorials that range from basic to advanced concepts.

Applications

- **Excel & Word Tutorials**

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

Free tutorials on these MS Office products that cover the basics of these applications for 2003, 2007 & 2010 versions.

- **Microsoft Office Online Training**

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

“Free self-paced training courses” for Microsoft Office 2010, 2007, and 2003 applications from Microsoft.

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/>

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