The Fundamentals of Engineering Librarianship

Collection Management: Making the Best Match Between the Needs of Your Users and the Information Resources You Can Afford

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Where to Finds Relevant Articles

COMPENDEX

Library Literature & Information Science

Library, Information Science & Technology Abstracts

Such As:

Zhang, Li. Analyzing Citation and Research Collaboration Characteristics of Faculty in Aerospace, Civil and Environmental, Electrical and Computer, and Mechanical Engineering, *COLLEGE & RESEARCH LIBRARIES*, Volume 79, Issue 2, Page: 158-178, DOI: 10.5860/crl.79.2.158

This article investigates citation and research collaboration habits of faculty in four engineering departments

Acquisitions

Approval Plans

Patron Driven Acquisitions

"Big Deals"/Package Deals

Consortium deals

Buying individuals titles

Is There Such a Thing as a Core Collection List

Is there a "good" list of core titles to support engineering programs?

Resources for College Libraries ?

Does ABET require a core collection of engineering information resources?

Guides to the Literature

Using the engineering literature / edited by Bonnie A. Osif., 2nd ed.

Boca Raton, FL : CRC Press, 2012

Many ELD members contributed chapters to this work.

Collection Development Policies

Not easy to write or keep current but they can be useful

Provides a broad description of a collection and can set guidelines for collecting such as:

          Collection priorities

          Collection strengths

          General parameters such as language preferences

How do I know what to buy?

Faculty/Staff/Graduate Student Recommendations

Book Reviews

Information from departmental/college web sites on research priorities

Research interests of individual faculty from their web sites

Successful grant proposals

Information from Interlibrary Loan Service about what items are being borrowed

Citation Analysis

Print vs. Digital

When asking for recommendations ask about print vs. digital

Is there a digital version available?

Expected level of usage?

For digital how many users at what price?

Are there DRM issues?

Accessibility an important issue for e-resources

To Buy or Not to Buy Textbooks

Very dependent on local policies

Should a research library buy any introductory textbook?

How about a library that is just supporting undergraduate programs?

Engineering textbooks can be very expensive so should you buy textbooks that are being used for classes and put them on Reserve to save students money?

Standards and Codes

Many organizations develop standards so no library can own or have access to all of the standards their users may need

Often needed by only one person or a small group of people

Some major standards organizations include, ASTM, ANSI, ISO

ASTM standards probably the standards most used by engineers

Some professional societies also develop and issue standards and codes, ASCE, ASME, IEEE, SAE

Interlibrary Loan Services can sometimes borrow standards

Standards and Codes

Cost for a subscription to all ANSI or ISO is very expensive so few if any libraries can afford them

Individual standards can also be expensive

Purchase on demand using deposit accounts with vendors such as:

IHS Markit Standards Store and Techstreet

Industrial Codes

Some Examples:

National Electrical Safety Code

ASME Boiler & Pressure Vessel Code

Building Codes

International Code Council (ICC) is the main building code developer in the United State. In some states, the codes are adopted on a state-wide basis while in other states, the codes are adopted by individual jurisdictions. In some states, jurisdictions use other building codes and standards. Historical codes can be worth retaining

The ICC provides free online public viewing of their recent standards and codes: https://codes.iccsafe.org/public/. The public access mode only allows viewing of the documents. It does not allow for downloading, bookmarking, coping or printing. Users can browse by category or select from a state map. Once a category is selected, users can click on the book cover icons of the available choices to see the text of the documents

Some examples:

  International Building Code

  International Plumbing Code

  International Mechanical Code

  ICC A117.1-2017 Accessible and Usable Buildings & Facilitiesl

Specialized Building Codes

Some Examples:

NEHRP Recommended Seismic Provisions for New Buildings and Other Structures.

Wind Provisions in the 2015 International Building Code

International Wildland-Urban Interface Code

The Other Side of Collection Management

Do you have any comprehensive collections where you want to keep everything?

Should you withdraw print journal volumes if you have online access to them?

Should you withdraw "dated" material such as "old" computer science materials

Can I weed ebooks?