Enhancing Graduate Learning Programs by using Digital Library Services

Drexel University

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Need for information research skills

- New programs
- New approaches for information dissemination
  - MSET Program
  - Materials properties
  - Computer applications
  - Quality control and production
    - Number of tools
    - Online books, handbooks and encyclopedias
Students not aware of various online resources available
  - ENGnetBASE
  - Knovel
True for online programs
Librarians role of information dissemination
  - Important role in teaching
  - Collaboration between faculty and librarians with graduate students crucial
Effective online instruction

• Examples of instructional session:

• Developing quality information seeking research skills
  Awareness of various resources

• Keeping current with new technological developments

• Efficient management of quality references
Services for Distance Learners

The Drexel University Libraries provide services to Drexel's distance learning community equivalent to those available on the physical campuses. Here are some special tips for Distance Learners for:

- Doing Research
- Getting Books and Articles
- When You Need Help

Our extensive collections of online databases, books, journals, etc. will provide many of the research tools that you need. With very few exceptions, all online resources in our collections are available to students regardless of whether they are on-campus or not.

Doing Research

Databases/Article Indexes

The Drexel Libraries offer more than 500 online databases. Most provide indexing of journal articles; some include technical reports, conference papers and other monographs. Some specialized databases provide business data, chemical structure information, economic and political information, etc. See: Databases and Article Indexes for listings, alphabetically and by subject specialty.

Encyclopedias, Dictionaries, etc.

Reference works including dictionaries, encyclopedias, handbooks and biographical dictionaries are available in nearly every subject area. These can be found in the Library Catalog (search by keyword, subject or title, limiting to “All Electronic Resources”).
Also see: Electronic Reference Resources and Health Sciences E-books
Instructional Methods

• Web conferencing technologies
  – Adobe Connect Pro
  – Students learn new information research skills
  – No need to install anything on computer
  – Virtual Room where students converse and participate in live synchronous library session
  – Instructional handouts, readings, and homework assignments can be shared
  – Highly interactive and engaging virtual platform
User Interaction/Participation Features

• Voice Chat
• Text Chat
• Yes/No Icons
• “Raise Hand” Icon
• Emoticons (Happy, Sad, etc.)
Adobe Connect online instructional session

Very useful site on Citing APA style
http://writing.colostate.edu/guides/researchsources/documentation/apa/within.cfm

http://writing.colostate.edu/guides/researchsources/documentation/apa/

APA helper Gary Childs

APA Electronic style
http://innopac.library.drexel.edu/search/?tapa+style=guide+to+ele/tapa+style=guide+to+ele/1,1,1,8/1962&FF=tapa+style=guide+to+ele&1,1,0,startreferer/search/tapa+style=guide+to+ele/tapa+style=guide+to+ele/1,1,1,8/frameset&FF=tapa+style=guide+to+ele&1,1,1/endreferer/

See Applied engineering Technology web page
http://www.library.drexel.edu/blogs/engineeringlibraryinstruction/category/applied-engineering-technology-and-construction-management/

File Share

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Upload File...  Save To My Computer
Synchronous instruction (scheduled)
- Scheduled sessions for individuals or groups

Asynchronous instruction (monologue)
- Pre-recorded “tutorials on the cheap”

Spontaneous instruction (1:1)
- Conversion of a phone call or IM session

* Agosto, Abels et al 2009, Future of Reference
Integrating Resources in an online course

LIBRES 101: Library Resources for Online Education
W. W. Hagerty Library
33rd and Market street,
Room 132
Philadelphia, PA 19104
Phone: 215 895-1873
Facebook: bhattjj@drexel.edu

Electronic Books
This section includes links to relevant online books found through Library's subscription to these collections.

Tutorials
This section includes useful online tutorials to assist students in learning various information skills necessary in order to complete different assignments successfully.

Web Resources
Quality web resources

Core Electronic Databases
Important databases to find relevant articles for Research projects

Books related to Engineering Fundamentals
This folder contains examples of books that students will useful in learning about various Engineering disciplines

Feeds from Library Blogs
ENGLIBRARY
Engineering Library Instruction Suggestions for the Library E-Resources updates

Journal Articles
Required readings from scholarly Journals

Feeds from Electronic Databases
Example of feeds of new journal articles from Databases.
This will help students to keep up to date with new research as it is published.
Integrating Resources in an online course

Engineering Village
Search environment for Ei Compendex and Ei Inspec, also covering engineering websites, CRC Handbooks, patents, and industry standards. Search for journal articles, conference papers, thesis and technical reports.

MathSciNet
Access to fulltext of Mathematical Reviews and Current Mathematical Publications.

ACM Digital Library
The ACM (Association for Computing machinery) Digital Library includes abstracts, reviews, and the full-text articles published in ACM periodicals, transactions, and proceedings since 1985.

Uniworld
Uniworld covers over 190 countries and contains contact information for headquarters, branches, subsidiaries, and affiliates of the multinational firm. Uniworld contains 2 directories: American Firms Operating in Foreign Countries or Foreign Firms Operating in the United States.
April 10, 2012

**Foundation of Biomedical Engineering**

Foundation of Biomedical Engineering

**Plagiarism**

- Plagiarism Guide
- Plagiarism Powerpoint

**Group Projects**

- **Group Therapy: a group project survival guide**

**Books**

Click on the links below to see what books are available in the library in some key areas related to Biomaterials and Tissue Engineering:

- Artificial Organs
- Tissue Engineering
- Bone and cartilage
- Prosthesis
- Biomaterials
- Spinal Cord
- Spinal Cord – ebooks
- Spinal Cord Wound and Injuries
- Spinal Cord Injuries

To find additional books on ‘Biomedical Engineering’, search in our online catalog using **Advanced Keyword searching** and using the term ‘Biomedical Engineering’.

*(more...)*
Resources for Engineering Technology

Engineering Library Instruction

May 12, 2012

Construction Management and Engineering Technology Resources

Plagiarism
- Plagiarism Guide
- Plagiarism Powerpoint

Books
Click on the links below to see what books are available in the library in some key areas related to Manufacturing Engineering, Mechanical Engineering, Electronics and Nanotechnology

- Applied Mechanics
- Biomedical Technology
- Computer Applications and Networking
- Construction Management
- Hybrid and (Car or Automobile*)
- Mechatronics
- Production and Quality Control
- Sensor* and Instrumentation
- Thermodynamics
- Electrical Technology

To find additional books, search in our online catalog using Advanced Keyword Searching and using appropriate research keywords.

Using Summon:
Try Summon to find books, articles and more. See also What is Summon? How can I use it?

- Click on Articles & More Tab in the Library Home page
- For example, type ‘Sensors and Measurements’ and click on Search Library link.
- Refine your search results by selecting an option from the left column. For example, select ‘ebook’ option. You will see a listing with links to electronic books.
Introducing myself - Jay Bhatt - your engineering librarian

My name is Jay Bhatt and I am your engineering librarian.

Increased cognizance of online handbooks, encyclopedias, and various online databases such as ASCE Digital Library, and Engineering Village, is extremely important for you in order to successfully complete your design projects. To assist you with this, I have created Engineering Reference Assistance page which can be accessed by going to:

http://www.library.drexel.edu/engineering

You can also set up an appointment with me for more in depth research consultations. Here is how you can do so:

http://www.library.drexel.edu/blogs/englibrary/reference-assistance-for-engineering/
and click on 'Book a Reference Consultation' to set up a meeting time

You can also email me at bhattjj@drexel.edu or call me at 215 895-1873 and set up a meeting with me. My office is in room 132 in the Library.

I have also created a web page for Bridge Design Resources that I think you will find it very useful during the course of this term for your design projects.

This page can be accessed from: http://www.library.drexel.edu/blogs/englibrary/2012/04/05/bridge-design-resources/

Looking forward to meeting with you all.
An example of faculty recommendation

• Professors include librarian contact information in their syllabus
• Recommend students to consult librarians for research help

CHE 481-483: Process Design — Resources

General Class Resources

Finding Books

Key Chemistry and Chemical Engineering Databases

Key Engineering Databases
An example of faculty recommendation

• Student contacts Jay by email.
• Apparently, student did not do well in the mid-term. Professor recommended him to contact the librarian.
• What now?
Simple technologies still powerful!

• Jay asked student to see if it was okay to give him a call

• Through phone conversation, blog page, and gmail chat, we explored databases to find scholarly articles
Simple technologies still powerful!

• Telephone consultation combined with computer access – helped!

• Final email from student:

  “Thanks for your help earlier in retrieving electronic journals and resources. I've attached an updated copy of my paper. It's due by 5pm on Saturday (3/13). If you have time, can you please review it”
Questions?

http://www.library.drexel.edu/


