

ENG1003 - LAB DOCUMENT

INTRODUCTION TO THE ENGINEERING & CS LIBRARY

Course Reserves

These are materials that are set aside, or reserved, for students in a specific course. For example, the library aims to maintain a Reserve copy of the textbook for most Engineering courses. Another common type of Course Reserve is a folder or binder with the correct answers to assignment questions, placed there by the professor once the assignment has been graded.

Course Reserves are very important for coursework and are regularly used by students. As a result, they are not self-serve: you must inquire at the front desk to borrow course reserve material and you must have your Student ID card with you. As well, the borrowing period is limited to 2 hours and you do not have the option to renew the loan.

Course Reserves must be returned to the Service Desk at the Engineering & CS Library. There are **Late Fees** for all library materials that are not returned on time. For Course Reserves, a \$5 late charge applies for every hour for each item that is not returned on time. See the library website for the full Fee Schedule. <http://lib.unb.ca/about/policies/borrowing.php>

Looking Up Reserve Call Numbers

Use any computer to visit the UNB Libraries website at www.lib.unb.ca and choose the Reserves tab in the yellow box in the upper part of the screen.

This is the reserves tab.

Figure 1 – Course Reserves

Reserves Catalogue Article Databases Journals & Newspapers e-Encyclopedias, etc. e-Books Videos

Search by instructor, course name or course number:

Enter keywords | Fall 2015 | GO

Login to My UNB Reserves

You can search by instructor's last name, course name or course number.

Select the appropriate term.

Click on the course name for textbook details.

Course Name	Course Number	Instructor(s)
2015FA		
<u>Law and Ethics for Engineers</u> (FR01A)	ENGG*4013	Eddie Kinley

Figure 2 – Course Reserve

ENGG 4013 - Law and Ethics for Engineers

2015/FA ENGG*4013*FR01A

Instructors: Eddie Kinley

Readings

After the gold rush : creating a true profession of software engineering
McConnell, Steve

QA76.758 .M344 1999 PROF	ENGRESERVE	Reserve Collection 1 Day Loan
QA76.758 .M344 1999	ENGRESERVE	Reserve Collection 1 Day Loan

Figure 3 – Course Reserve

This is the Call Number, the code you must give to library staff to request the book (you do not need to actually borrow the book today).

If it said DUE here it would mean that someone else is using the book. It would also show the time when it is due back at the library.

Reference Materials

These are publications such as encyclopaedias, technical handbooks and dictionaries. Reference materials are used to find definitions, facts, and to provide short overviews of topics. Reference Materials are often the best place to start researching a new topic. We have online and printed reference materials; the printed materials are located just inside the large room known as the Study Hall. You can take Reference Materials to a table to read, but you cannot take them out of library. Ordinarily, we recommend you use an online reference source; particularly recommended for engineers are CRCnetBASE, AccessEngineering, and CREDO Reference sources.

A Quick Word on Wikipedia: Wikipedia entries are not peer-reviewed and it is not an academic scholarly source of information. It should be avoided when conducting academic and scholarly research and at best, it should only be used as a starting point. Wikipedia is certainly very comprehensive and easy to use. The perceived problem is that it is easy for anybody to become a contributor. Compared with contributors to commercially-produced reference publications, Wikipedia contributors sometimes do not have the same level of expertise and there may be some form of error or incompleteness

in what they write. This is generally not too much of a problem in Engineering as it tends to happen more for sensitive topics such as politics, religion and social policy. In any case, from a librarian’s perspective, the best advice is that Wikipedia can be a good place to start finding out about a new topic - but you should always try to find other corroborating sources as well.

Finding Information in a Reference Source

Please visit the UNB Libraries website at www.lib.unb.ca , choose Engineering from the drop-down menu from the Research by Subject area and click “Engineering” to view the Engineering Subject Guide.

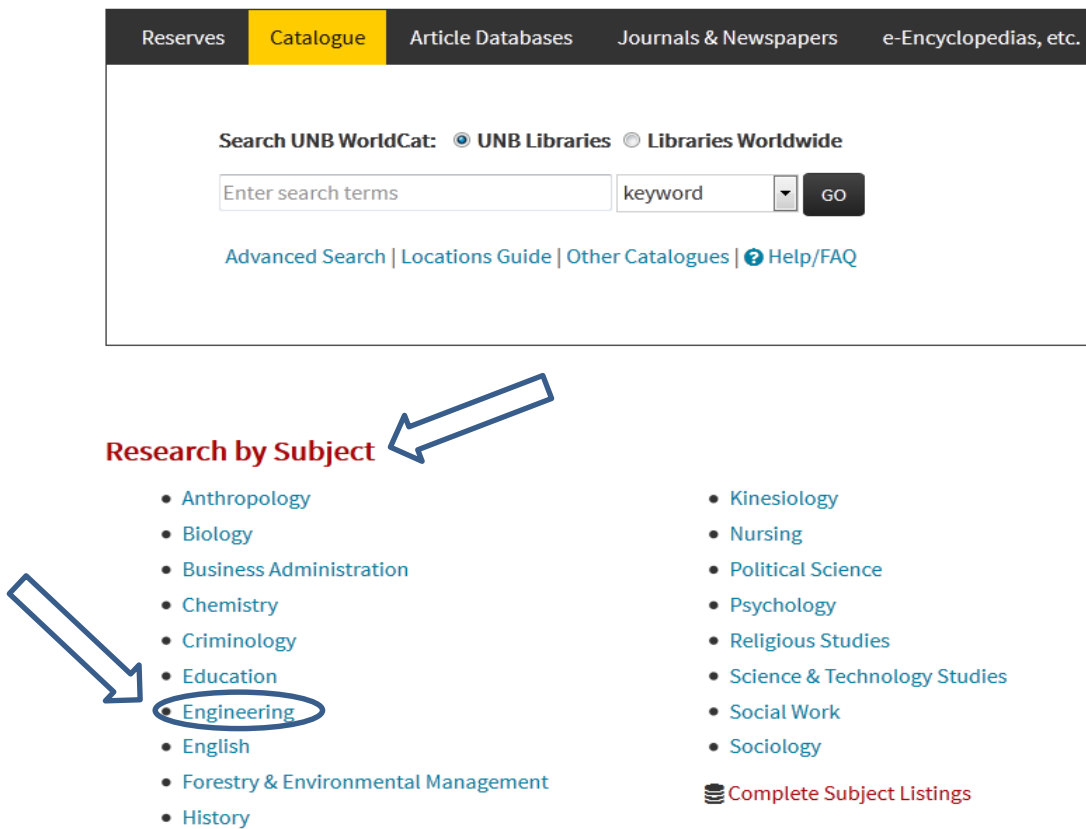


Figure 1 – Reference Sources

You should see the following website. For more resources related to your specific areas please visit the detailed guides. Under each engineering specialization (computer, mechanical, software etc.) you will find more reference resources under the reference tab.

UNIVERSITY of NEW BRUNSWICK
LIBRARIES
FREDERICTON & SAINT JOHN

Harriet Irving	8am - 5pm
Science & Forestry	8am - 6pm
Engineering & CS	8am - 4pm
Saint John	8am - 10pm
Law	8am - 4pm

About Resources / Collections Services Faculty Support Help

Home / Subject & Course Guides / Engineering

Engineering Guides

Detailed Guides

- [Chemical Engineering](#)
- [Civil Engineering](#)
- [Computer Engineering](#)
- [Electrical Engineering](#)
- [Engineering](#) (Saint John)
- [Geodesy and Geomatics Engineering](#)
- [Geological Engineering](#)
- [Mechanical Engineering](#)
- [Software Engineering](#)

Related Guides

- [Patents](#)
- [Entrepreneurship](#)
- [Computer Science](#)

Top Article & Research Databases

Use article databases to find articles, reviews, book chapters, etc.

- [Scopus](#)
- [Web of Science](#)
- [Inspec \(Engineering Village\)](#)
- [IEEE Xplore Digital Library](#)
- [Dissertations & Theses \(PQDT: formerly Digital Dissertations\)](#)
- [Chemical Abstracts \(SciFinder Web\)](#)

(Showing 6 of 30 resources | [View All Results](#))

Top e-Reference Materials

Find dictionaries, encyclopedias, handbooks, and other materials

- [CRCnetBASE \(Includes ENGnetBASE\)](#)
- [AccessEngineering](#)
- [Credo Reference \(formerly Xreferplus\)](#)
- [Reference Universe](#)
- [Dictionary of computing_A](#)
- [CRC Handbook of Chemistry and Physics](#)

Ask a Librarian



Diane Buhay ([profile](#))
UNB Saint John
Email: dbuhay@unb.ca
Phone: 506-648-5712

Saran Croos ([profile](#))
UNB Fredericton
Email: saran.croos@unb.ca
Phone: 506-458-7959

Figure 2 – Reference Sources

English Logout | Help

CREDO Home Search Results Find Topic Pages Find a Book Saved Results Tools

basic search image search mind map Advanced Search

970 results for Nuclear Engineering

Narrow your search

Expand all | Collapse all

- Subject
- Media
- Person
- Publication date

Related Resources

UNB WorldCat

Reference Entries

Nuclear Engineering in *Encyclopedia of Energy*
 engineering, nuclear engineering, ... SOME BASICS OF NUCLEAR SCIENCE Before discussing nuclear engineering and the technology it has created, it is necessary to explain...
 10108 words, 16 images from Elsevier Science & Technology

Nuclear engineering in *McGraw-Hill Concise Encyclopedia of Science and Technology*
 nuclear engineering is studied in many universities. In some it is offered in a special nuclear engineering department; in others it is offered in other departments,....
 260 words from McGraw-Hill

Figure 3 – CREDO Reference, example for search term: “Nuclear Engineering”

Main Collection

Our main, general purpose, collection consists of an assortment of introductory and specialist books, technical reports, government scientific publications etc. We have hundreds of thousands of printed books and tens of thousands of books online. For paper books, the main collection at the Engineering library is usually referred to Stacks or ENG-STACKS. This part of the library is easily located because the ends of bookshelves are painted pale green. You must find the books for yourself.

If you use a book in the library please do not put it back on the shelf – just leave it on a designated empty shelf or any counter. You can also borrow books from this part of the library to take away (sign out). Most materials in the main collection are available for up to 2 weeks at a time (Late Fees apply; see the library website for the full Fee Schedule). <http://lib.unb.ca/about/policies/borrowing.php>

Find a Book from the Library Collection

The screenshot shows the UNB Libraries website. At the top, there is a navigation bar with 'About', 'Resources', and 'Services'. Below this is a banner image of three people in a library. A callout box on the left says 'Enter your search terms here' with an arrow pointing to the search input field. The search bar contains the text 'wireless communication'. To the right of the search bar is a dropdown menu set to 'subject'. Below the search bar are links for 'Advanced Search', 'Locations Guide', 'Other Catalogues', and 'Help/FAQ'.

Figure 1 – UNB Catalogue

If you simply enter some keywords the system will look for those words in any of the database fields for the title, authors, subject coding and description of the books in our catalogue. However, if you are looking for a book on a specific subject it can be effective to tell the system to list only books that have the required value in the subject coding. You can do this selecting the “**subject field**” from the drop down menu. See Figure 1 – UNB Catalogue for the details.

UNIVERSITY of NEW BRUNSWICK LIBRARIES

su: wireless communication

Libraries to search: UNB Libraries | Limit to full text articles | Advanced Search

Search results for 'su: wireless communication' limited to UNB Libraries

Databases (24)

Available online

Format

- All Formats (3,158)
- Article (2029)
- Peer-reviewed (1,477)
- Book (1096)
- eBook (962)
- Theses/dissertation (46)
- Journal, magazine (32)
- eJournal/eMagazine (27)
- VHS (1)

Refine Your Search

Results 1-10 of about 128 (2.08 seconds)

Select All Clear All Save to: [New List] Save

1. **Wireless nation : the frenzied launch of the cellular revolution in America**
by James B Murray
Book
Language: English
Publisher: Cambridge, Mass. : Perseus Pub., ©2001.
Database: WorldCat.org
Libraries that own this item: **UNB Libraries**
[Availability](#) [Editions and formats >](#)

2. **History of wireless**
by Tapan Sarkar, et al
Book
Language: English
Publisher: Hoboken, N.J. : Wiley-Interscience, ©2006.
Database: WorldCat.org
Libraries that own this item: **UNB Libraries**
[Availability](#) [Editions and formats >](#)

Figure 2 – Search results

When the result list comes up, before you go any further you must use the Format filter on the left to update the result list so that it shows only books. The other format types are mostly related to journal articles. For this exercise, also turn off all sub-categories under the book category.

The result list now shows all the books at UNB that relate to your subject. You click the Availability link to find the Location Code and Call Number.

The Location Code tells you which library and zone within the library to head for, and the Call Number gives the precise position. When you look at the Catalogue always note the Location Code as well as the Call Number, otherwise you may end up looking in the wrong zone or even in the wrong library.

3. **Wireless communications : principles and practice**
by Theodore S Rappaport
Book
Language: English
Publisher: Upper Saddle River, N.J. : Prentice Hall PTR, ©1996.
Database: WorldCat.org
Libraries that own this item: **UNB Libraries**
[Availability](#) [Editions and formats >](#)

1 of 1 available

Engineering Library (Fredericton)
ENG-STACKS: Main Collection

Available

TK5103.2 R37 1996

Location Code (ENG-STACKS)

Availability Status

Call Number

Figure 3 – Availability Information

Performing Advanced Searching in UNB WorldCat

Boolean Operators, Nesting and Phrase Searching

The default Boolean operator in UNB WorldCat is AND; however, you may choose to use more operators to refine your search. Boolean operators must be entered in upper case or special characters: AND (+), OR (|) and, NOT (-). Lower case and, or, and not search as terms. To search exact terms or phrases use quotation marks. To group concepts use parentheses around the words in question.

Example: (salad OR greens) NOT (diet OR nutrition)

Searching by a Location Code

Searching with a location code will allow you to search a library shelving location. Figure 1 – 3 provides different types of location searches related to the Engineering and CS Library.



Figure 1
Searching for Engineering Main Collection (ENG-STACKS)



Figure 2
Searching for Engineering Reference Collection (ENG-REF)



Figure 3
Searching for Engineering Special Collection (ENG-SPEC)

Finding a Book on the Shelf

First, you need to get to the right general area of the library using the Location Code. There are maps displayed at all UNB libraries, and on the library website, to help you. ENG-STACKS is our main collection with the green shelves.

http://www.lib.unb.ca/about/loc_call/eng.php

Once you are in the right general area, you can use the Call Number to locate the item. At UNB we use a system called Library of Congress (LC) Call Numbers. This system uses a combination of letters and numbers. Call Number labels on our books are usually split over several lines and they are on the spine of the book:

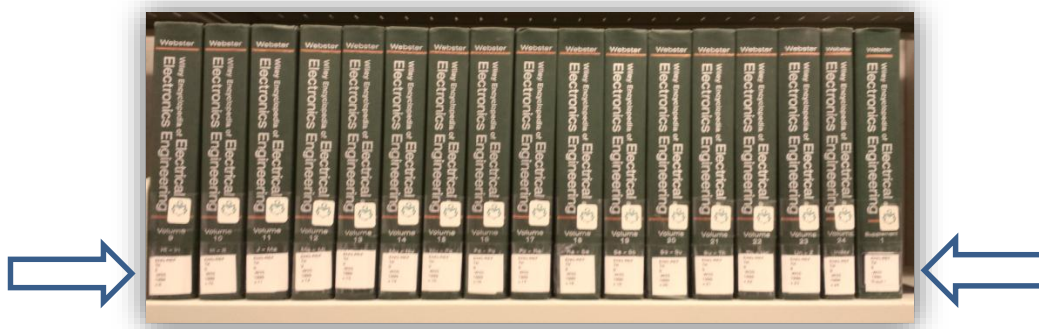


Figure 1 – Call Numbers

ENG-STACKS	ENG-REF	Location code – Engineering library's codes starts with ENG
TK	T	The first part of the call number is alphabetic.
2189.43	10.5	The second part is numeric and should be read as a whole number. The numbers may or may not have decimal points.
.H84	.149	This part has to be read in two ways; first alphabetically, then numerically. This time the number should be read as a decimal.
2003	2005	This number indicates the year; generally the year of publication for that particular volume.
C:3		At the Engineering library some books will have a copy number for cases where we have several copies of a book.

Figure 2 – How to Read a Call Number

Figure 2 provides an explanation as to how to read a call number.

Figure 3 provides some Call Number labels for books on the shelf, running from left to right using LC Call Number order.

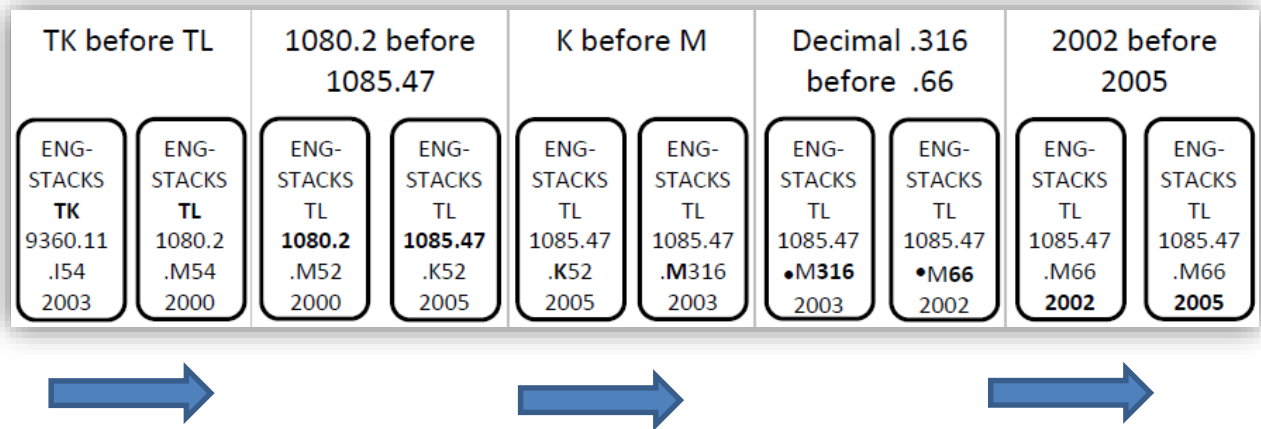


Figure 3 – Call Number Sequence on a Shelf



Figure 4 – Locating a Book on the Shelf

Figure 4 demonstrates how the Call Number sequence flows from one shelf to the next.

Journals

This is a special type of publication used to announce the results of scientific research. A new edition (or Issue) of each journal is published several times a year and consists of several articles authored by different researchers. Each article describes a piece of specific research in considerable detail; journal articles can be anything from a few pages long up to 20 or more pages. Journal articles discuss very specific, narrow topics. This means that for engineering students, journals do not become generally important until the 3rd or 4th year of study. Most of our journals are online. The printed ones are stored in the ENG-STACKS area.

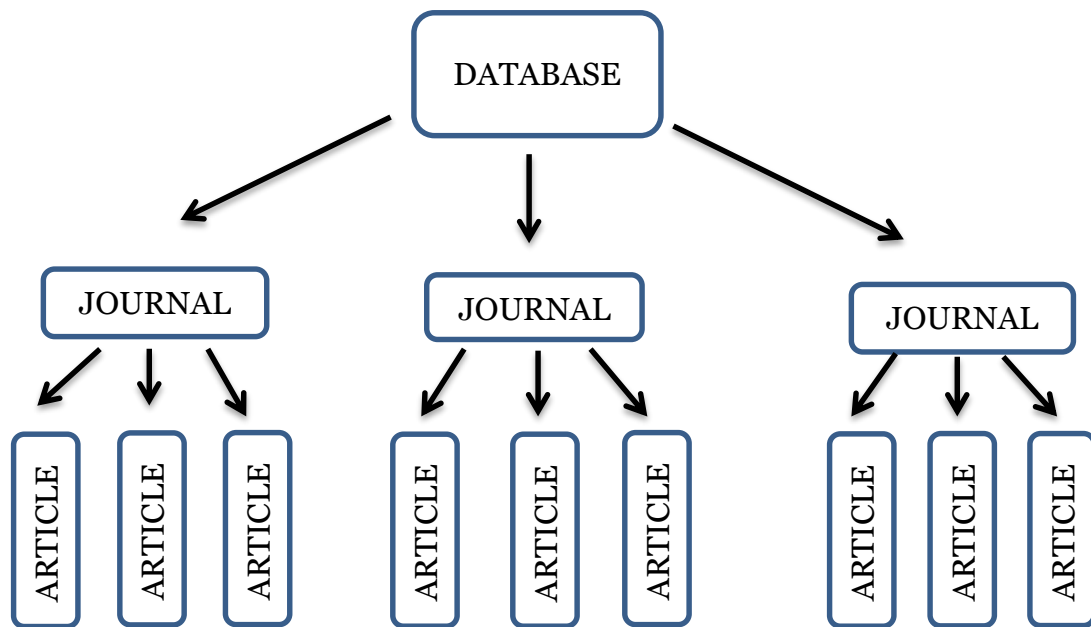


Figure 1

Typical typology of finding articles in electronic databases.

Some examples of databases include *Scopus*, *Web of Science* and *IEEE Digital Explore*. To find articles related to your specific engineering area please visit the Engineering Subject guide.

<http://www.lib.unb.ca/guides/categories/engineering>

Saran Croos, Librarian
Engineering and Computer Science Library
University of New Brunswick