BMEN 401
LIBRARY RESOURCES

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Today

- Website Navigation
- Google Scholar Offsite Setup
- Patents
- Sources to investigate disease state + current solutions
- Emerging solutions + searching databases
Website

- library.ucalgary.ca

- Always sign in to “My Account” when you use the “big search box”
  - Many of our databases and collections are hidden until the system can tell you are a member of the University of Calgary community
  - Due dates, fees, holds

- Guides, Databases, Journals, Workshops in green circles below the search box

- Interlibrary Loan available at top of page under Services tab
Google Scholar Offsite Set Up
Patents

- Take time and strategy to learn how to search
- Most patent databases have a “how to use” section
- Consider consulting with a local patent agent or intellectual property attorney
- Consult some guides for tools and resources
  - University of Pittsburgh libguide
- Go beyond the United States Patent and Trademark Office and remember to do an international search
- Example: pediatric portable bolus infusion
Investigating Disease States and Current Solutions

- **Guidelines** – summarized information on current prevention, screening, and treating
  - *Clinical Practice Guidelines (CPGs)*
    - Search “CPG” on the Library Guides page (click on the green Guides circle)
    - Example: National Guideline Clearinghouse (search the topics, or use the search box. Try using the search box for glaucoma!)

- **Dynamed Plus** – Clinical reference tool
  - *Evidence based summary reports*
    - Example: try searching for glaucoma, and look at the report

- **Pocket guides and handbooks**
  - Search “handbook” (or “textbook”, or “pocket guide”) in library search box and apply “book” and “health sciences library” filters (request them to be sent to the library of your choice for pick up)
  - Use critical thinking – delays with book publishing, even if in “ebook” format
Investigating Emerging Solutions

- Searching databases for journal articles and conference proceedings
- Start broad and narrow down

- **Engineering**
  - Compendex
  - IEEE

- **Health Sciences**
  - Pubmed

- **Business**
  - Business Source Complete
Example

■ Topic: “Energy harvesting for self-powered devices”
  – Tip #1 break down this topic into concepts and synonyms

■ Concept A
  – Energy harvesting
    ■ Tip #2 ask yourself what kind of energy harvesting
  – “energy harvest*” OR triboelectric* OR piezoelectric*
    ■ Tip #3 use quotation marks around phrases
    ■ Tip #4 use truncation (*) to get suffix variations in your search result

■ Concept B
  – AND (should be on the advanced search form, but if not, you’re ANDing the two concepts together)
  – “self power*” OR implant* OR “body-area network*”
For further help...just ask!

- Workshops at the library
- Consult a Librarian – excellent for interdisciplinary questions
- Individual or group consultations
  - Mendeley
  - Searching
  - Research Data Management Plans
  - Scholarly Communications
  - LabNext and Makerspace