RESOURCES LIST FOR KMD1001: Fall 2016 version

- Research methodology resources
- How to access U of T Libraries (UTL) resources
- Ways to find journal articles
- Recommended subject-specific databases for finding articles | Citation databases
- Finding books, dissertations, and other material
- Writing tips from the U of T Writing Centre & elsewhere

RESEARCH METHODOLOGY RESOURCES

The Inforum has compiled the research methodology bibliography below, with over 100 titles. Each entry has a link to the catalogue record of the book. Loan periods for iSchool masters students are 6 weeks. We will recall books for you if the original borrower has had it for 2 weeks, so please ask us about placing a recall.

CONDUCTING RESEARCH: A SELECTED BIBLIOGRAPHY OF INFORUM HOLDINGS
http://current.ischool.utoronto.ca/services/reference-research/conducting-research

Includes suggested subject headings to find more books on the topic. Inforum books are listed in sections e.g:

| General | Qualitative & quantitative research | Mixed method research | Media research methods | Ethnography | Literature search, evaluation & reviews | Surveys, focus groups, case studies & interviews | Statistics & bibliometrics | Thesis, dissertation & proposal writing | Discourse analysis | Interdisciplinary research | Digital research | Specifically for the information professions |

Of note:
In the Interdisciplinary Research section, see:

Also of note:
In the Digital Research section, see:

Highly recommended:
Sage research methods online (current subscription via UTL). This is the 1st item listed in the bibliography. Includes fulltext research methodology handbooks, encyclopedias, dictionaries, articles, videos, and more. Use the CONTENT and METHODOLOGIES tabs near the top of the screen to browse this extensive collection.

HOW TO ACCESS UTL RESOURCES @ www.library.utoronto.ca

The UTL website is the main point from which you can access articles, books, dissertations, etc. If you are off campus, you’ll be asked to enter your UTORid & password –resources are licensed for the use of U of T folks, not the general public. Therefore, don’t try to get at articles via Google.
The rest of this handout contains search strategies and recommendations for databases of articles, dissertations, and other sources for your literature review.
WAYS TO FIND JOURNAL ARTICLES from www.library.utoronto.ca

1. Search subject-specific databases by using the SUBJECTS A-Z LISTING:
   - Use to find subject-specific databases grouped by categories e.g. Design, or Engineering, Computer Science. Hundreds of databases are listed, each with deep coverage of its subject area.
   - Click a category and choose individual databases listed there e.g. Design and Applied Arts Index

2. Use the POPULAR DATABASES listing to search interdisciplinary databases.
   - Use to find super-large databases that cover all of knowledge, e.g. Scopus or Web of Science.
   - Scopus and Web of Science allow you to do citation searching (more about this later).

3. Use the ARTICLES search to search >1200 databases at once.
   - The search engine of ARTICLES search ( Summon) looks in >1200 UTL databases on all topics.
   - Use the advanced ARTICLES SEARCH mode & the limiting facets on the left side to refine your results.
RECOMMENDED SUBJECT-SPECIFIC DATABASES

DESIGN subcategory of Subjects A–Z
See for example the database Design and Applied Arts Index (DAAI)
To get a sense of what’s covered, try searches for things like:
- User centred design
- Prototypes and users
- User interfaces

ENGINEERING AND TECHNOLOGY subcategory of Subjects A–Z
See for example the database Engineering Research Database (quite lower down on the databases listing)
Try searches for:
- Participatory design
- Participatory design AND user centred design

Example of an article found:
Madden, Dianna; Cadet-James, Yvonne; Atkinson, Ian; & Watkin Lui, Felecia. (2014). Probes and prototypes: a participatory action research approach to codesign. CoDesign 10.1, 31-45.
ABSTRACT: Participatory Action Research (PAR) has a long history of use with disadvantaged groups in order to assist them to improve their living conditions, however its use with Information and Communications Technology (ICT) projects is less well known. This paper examines a case study where PAR was tied with the use of a technology probe by an Aboriginal group, with the goal of determining if culturally appropriate design of ICTs could help support individual well-being. The results of this project show that although PAR and probes can be used together, this combination has the potential to alter how probes are traditionally used in the design space. To support this premise, we review the history of the probes method in the literature and discuss changes in how cultural and technology probes have been implemented in recent years. We argue that as modifications are made to these frameworks due to the needs of the research, two sorts of project results should be fully elucidated: (1) the changes made to the original methodology and (2) how these changes have had an effect on the real-life environment to which they were applied.

COMPUTER SCIENCE subcategory of Subjects A–Z
See for example the database ACM Digital Library. All content in this database is full-text.

COMMUNICATIONS & MASS MEDIA subcategory of Subjects A–Z
See for example the database Communications Abstracts

Example of an article found:
ABSTRACT: If research and development in the field of learning design is to have a serious and sustained impact on education, then technological innovation needs to be accompanied - and probably guided - by good empirical studies of the design practices and design thinking of those who develop these innovations. This article synthesises two related lines of research into teachers' design thinking. We draw attention to the importance of context in working on the solution of design problems and introduce the idea that some pedagogical knowledge can best be understood as 'knowledge in pieces', rather than as a coherent system of pedagogical beliefs.
CITATION DATABASES (INTERDISCIPLINARY)

From the POPULAR DATABASES listing, search both SCOPUS and WEB OF SCIENCE separately to:

1) Find articles on your topic from any area of knowledge (as opposed to subject-specific areas); and also
2) Look up the title of an article you already have to see who else has cited that article. This way, you are led to other articles on the same or similar topics.

BOOKS

1. Look for books on your topics in the UTL catalogue, using the CATALOGUE tab, and starting off with an ANYWHERE search.

2. Then, when you find books on your topic, check to see what its subject headings are.

3. Then do a SUBJECT search using the subject headings you have found.

Useful subject headings may include:

- Communication in design
- Usability engineering
- Inclusive design
- Human engineering
- Human-centred engineering
- Accessible design
- Design
- Human computer interaction
- Engineering design
- Information visualization
- Visual communication

UTL e-book of interest:

**Table of contents:** Introduction | DRM: A Design Reseach Methodology | Research Clarification | Descriptive Study I: Understanding Design | Prescriptive Study: Developing Design Support | Descriptive Study II: Evaluating Design Support | Writing Up: Publishing Results | Summary And Conclusions

Compiled for KMD1001 by Nalini K. Singh: Inforum, Faculty of Information, Univ. of Toronto (Fall 2016)
**DISSERTATIONS**

Find fulltext dissertations by looking at databases listed in the **DISSERTATIONS** section of **SUBJECTS A–Z**. Proquest's *Dissertations and Theses Full Text* is the main database for dissertations. Full text is available for most items from 1996 onward.

**LIBGUIDES**

Online resource guides put together by subject-specialist librarians at U of T Libraries. The following two guides may contain information useful to topics of this class.

**APS112: Engineering Strategies & Practice 2016** – LibGuide created by the engineering librarians. 
[http://guides.library.utoronto.ca/APS112-2016](http://guides.library.utoronto.ca/APS112-2016)

Look in the sections for HUMAN FACTORS and also DESIGN PRINCIPLES to see selected books on the topic (click through to the catalogue record to see some books are both at the Engineering Library, and also at the Inforum). The information in these sections also suggest good SUBJECT HEADINGS to use when searching the catalogue for more books on these topics.

**Ergonomics LibGuide** – LibGuide created by the engineering librarians. 
[http://guides.library.utoronto.ca/ergonomics](http://guides.library.utoronto.ca/ergonomics)

Includes information on human factors – websites, books, and more.

**OPEN ACCESS RESOURCES**

There are some freely available databases, especially as part of the **Open Access** movement. Some key examples are:

  8245 journals, half of which are searchable at the article level

  Provides both a directory listing of the academic research repositories available world-wide, and a way to search the contents of ALL listed repositories!

  Crowdsourced catalogue of research papers (many from journals)
WRITING TIPS FROM THE U OF T WRITING CENTRE & ELSEWHERE

- The literature review: A few tips on conducting it
  http://www.writing.utoronto.ca/advice/specific-types-of-writing/literature-review

- Writing an annotated bibliography
  http://www.writing.utoronto.ca/advice/specific-types-of-writing/annotated-bibliography

- Advice on academic writing
  http://www.writing.utoronto.ca/advice
  Other very useful resources from the Writing Centre can be found in this extensive section

- The Purdue OWL (Online Writing Lab) contains a wealth of resources on all writing topics.
  https://owl.english.purdue.edu/owl/
  Here is one of their resources on Literature Reviews:
  https://owl.english.purdue.edu/owl/resource/994/04/

For more assistance in finding materials on your topic, email nalini.singh@utoronto.ca

–Compiled by Nalini K. Singh, iSchool Inforum: Fall 2016