Research for Arch 126 sustainable case study
Wednesday, January 4th, 2016 10:00-11:15am

SLIDE 1: Intro
Most important Research resources to support your Arch 126 sustainable case study project.

SLIDE 2: What's in the library?
What do we have in the Musagetes Library to help you finish this assignment?

SLIDE 3: People to help you!
The most important resource is people to help you.
Sue Martin, *Library Associate, Service Desk & Collection Maintenance*
- library accounts, including fines & lost books
Jake Lovie, *New Library Associate, Information Services & Resources*
- provides research & GIS assistance
- requests for displays, events, room bookings & general questions about the library
Effie Patelos, *Architecture Librarian & Manager*
- help students with in-depth research needs
- provide library & research instruction

SLIDE 4: INFORMATION
What will you need in term of research resources to complete the case study?

SLIDE 5: FIND INFORMATION
1. Books
   - LEED, building technology, environmental/green design & construction
2. UW Library databases
   - journal articles ➔ Avery Index to Architectural Periodicals
   - product literature, case studies ➔ Building Green Suite
3. Newspaper articles
   - variety of UW databases & subscription newspapers
4. Internet
   - Open web search
   - architect's or architecture firm's website
   - Canada Green Building Council www.cagbc.org

SLIDE 6: AGENDA
1. Finding UW Library E-Resources
2. Building Green Suite
3. Canada Green Building Council website
4. Avery Index to Architectural Periodicals

SLIDE 7: MUSAGETES LIBRARY WEBSITE
The Musagetes Library website homepage is where you should be starting all your research as an architecture student.
- url is https://uwaterloo.ca/library/musagetes/, & in case you forget, the link is also available on the SA website.
- For doing research at home, or anywhere not in the School of Architecture building, access to virtual proxy server changed since the Fall semester

- It's now called "Get Access from Anywhere" instead of "Connect from Home"
    - This **"Get Access from Anywhere"** link here on the Musagetes homepage is how you can access you library account.

SLIDE 8: WATCARD = LIBRARY CARD
- Logging into the virtual proxy server through "Get Access from Anywhere" replicates your on campus experience anywhere as "Connect from Home" did before.
- It just looks a bit different
    - You will still be able to seamlessly be able to access e-resources, such as databases & e-books without repeatedly having to authenticate yourself.
        - You can check you account to see how many items you have out, due dates, & renew them.
    - Login is the same, enter your last name (all in lowercase) & your library card barcode, which is the 14 digit number on your card starting with 2118..., not your student number

DEMO: Finding Architecture E-Resources
- The easiest way to connect to architecture database is to click on this link **"Research Resources"** on the menu on the left side of the Musagetes Library homepage.

DEMO: Building Green Suite
Building Green Suite has reliable research content on sustainable building practices, and green products. It used to have case study examples of green buildings, but unfortunately they radically changed their format recently, and got rid of them.

In the past couple of years I used to really recommend students use Building Green Suite over the web for researching products used in the case study assignment, but the recent changes seem to have reduced the amount of products reviewed, and weakened some of the content.

I still recommend using it, as it has over advantage over the web for researching green products & materials – you don't have try to find what is credible information, & reviews from thousands, or even millions of results.
- Much of the content on the web you'll find about green building practices, & products is supported by advertisers. Content can be influenced by the advertiser or manufacturer that supports the site.

Building Green is an independent company that is supported by subscriptions only, such as the one that is paid by UW Library.
- They offer accurate, unbiased information without influence from commercial agendas.

Building Green suite is difficult to search when you compare it to using an academic database like *Avery Index to Architectural Periodicals*. Boolean searching is non-existent here.

DEMO: Building Green Suite Product Literature:
To find information about the green products & materials used in your case study buildings, you have a few options to search products:

1. You can search by product name by adding it to the search field.
    a. If your search is a general name, rather than a specific product name, You'll get a list of news articles, guides, feature articles on Portland cement

- You can filter by content type, selecting **"product reviews"**, or any other category
  b. Don't panic when you see that you don't have access to the full article. Though the library does have a subscription to Building Green, you still need sign up to access the full content.
  c. click **"Firm or campus members – click here"**
  d. the first time, select **"Create personal profile"**
  e. fill in your email address, it must be your **uwaterloo email** or the database won't accept it
  f. your first name,
  g. and create a password
  h. When you have an account select **"Firm or campus members – click here"** and select **"Log in"**
    - Here is a review of the product
    - and some of these will have a link to the manufacturer website which you can go to for the specification and technical information

2. Another way to find product reviews is to go to the **"Sustainable Materials"** tab and select **"Product reviews"**
   - here you can filter the results to just get product reviews
   - you get a list of reviews (title and a brief summary), but I haven't found a great way of searching these

3. Lastly, you can access product information by going to the "Product guidance" tab
   a. The product are grouped by categories *[ex. go to "Flooring & Floorcoverings", select "Modular Carpet"]*
     - Here is a basic overview or what BG calls insights of the product or material category
   b. To actually get to the products click **"Find Building Green Approved products in this category"**
   c. I always open this link in another tab since you'll be redirected to **Designer Pages Plus**,
     - a collection of over a 1000 products complied and approved by BG for sustainable building
   d. you can scroll over the different carpet images, hovering over them will reveal the name
   e. clicking on the image will bring up the product page on it that provides:
     - a link to the manufacturer's website
     - complete specs
     - eco specs
       - installation guidelines
       - testing documents
       - links to similar or associated products
     - while in Designer pages, you can always browse products under this tab,
     - I don't find the searching in here works very well, so I don't use it

DEMO: Building Green Suite Articles:
1. In addition to using the search box, you can access website articles on different topics under the various tabs and selecting on of the many subtopics
   - Again you just get a list of titles with a brief summary, but you can filter them by type.
   - These all have a print friendly version which you can print as PDFs to store on your computer

2. You can also download articles from *he BuildingGreen Report* (formerly *Environmental Building News*) though the change in name only happened in 2017) by clicking on **"Download Issues"** in the corner
   - I haven't found a way to search these, only selecting by publication year and month
   - The content of issues is organized around a them just briefly described, and when you click on the **"Download PDF"** link you get the whole issue

> Because of the changes to Building Green, and it no longer being an exhaustive list of product materials, you'll likely not find everything you are looking for on green products and building practices, so you also have to use the internet, manufacturer's website, and the library

DEMO: Canada Green Building Council website: www.cagbc.org
To achieve LEED certification, buildings are scored by attributes such as water efficiency, materials & resources, & indoor environmental quality.
- Since you are an evaluating the project in terms of its LEED rating, you'll need to include how your building scored in each of these areas.
    - o This information is available publically through the Canada Green Building Council website. Go to www.cagbc.org
    1. To search for your case study building, to go the LEED tab, & select project profiles from the pull down menu.
    2. Enter your project name in the **key word search box** [*type wychwood barns*]. The result(s) are at the bottom of the webpage.

You'll be provided with a brief description of the project, & LEED certification level it achieved—bronze, silver, gold or platinum,
- You can **"View the Project Scorecard"** which breaks down why it achieved the level it did. You can also down load it.

DEMO: Avery Index to Architectural Periodicals
The Avery Index to Architectural Periodicals includes records for *Canadian Architect*, & *GreenSource: the magazine of sustainable design*, & other journals, which will be great resources for your assignment.
- Go to back to the Musagetes Library homepage, & click on **"Research Resources"** in the side menu

To search for your case study project, do an **"ANYWHERE**" search in the **"Advanced Search"** option
- If the project name consists of two or more words, putting quotation marks abound the name turns it into a phrase & tells Avery to only pull up article records that contain both those words & only in that order, ex. "wychwood barns"

The majority of architecture journals & magazine are still print only. Avery is an index, which means it has citation to articles only, not the full text of articles itself.
- You have to see if we have the journal in our print or electronic collections.
    a. Some journals like *Canadian Architect* are online & available through other databases we subscribe to
        - We've made it easy for you. Click on the **Get It! Waterloo** link to check for availability
        - If your article is available electronically, in this resolver window you see a list of databases which it can be found in.
        - Click on one of them

- o you'll be directed automatically to the record of the article
  - Where you download full-text PDF of the

b. If the article you want is in a print only journal you are looking is in print only, when you click on the **Get It! Waterloo**, you wont see any links to databases.
- Make sure you note the page numbers of the article, issue & month, year or volume of the journal.
- Click on this first link check the holding in the print collections. PRIMO is the brand name of the Library catalogue.
  - o This is the record of the entire journal.
  - o Opening the **"Locations & Details"** tab will tell you what library collects the journal, & if a particular issue you are looking for is checked in, or signed out to another student.
    - Journals in Musagetes are shelved by call number, so make note of it.
    - Sometime the library is missing an issue or two for any variety of reason, so double check that the issue you are looking for is available by clicking on this plus sign clicking on **"View all items".**
    - We bind multiple journals issue together
- you'll have to come in person to the Musagetes Library to find the journal issue on the shelf, & photocopy or scan your article.
- But, the journals you'll most likely be looking at, *Canadian Architect*, & *GreenSource*, are available online through that **"Get it Waterloo"** link.

DEMO: Images in Avery
Referring to images, & studying plans, sections, site plans of already built & conceptual projects from other architects is a significant research activity in architecture, & likely want to analyze your building's layout & construction details for this assignment.
- Though Avery won't have these images, you can filter your results to identify articles that will have the visual content you need.

Again, to o search for your case study project, do an **"ANYWHERE"** search in the "**Advanced Search"** option
- If you'd like to retrieve articles that contain a specific type of illustration such as plans, elevations, sections & details you can use the **"Documents Feature"** limits to do that.
- The article record will tells us it has photos, models, computer drawings, & axonometric drawings. Lately I've been seeing the option to download the PDF directly in Avery for some articles available electronically.
- Most the t time you still have to use the "Get it Waterloo" link to retrieve the article from another database if its available electronically,
  - o or to locate the print copy on the shelf if it's only in print which describes most of the periodical literature in architecture

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I'll be coming back Wednesday, January 18th to over Academic Integrity, and how to cite all the different formats of information you'll be referencing in your case study assignment

So that's it. If you need help with research for this or any other assignment or studio project, please come visit the library, email me at epatelos@uwaterloo.ca or come see me.