

## LITERATURE SEARCH

In the following you will need a web-browser and if you like to take notes on linuxremote, you can open one terminal with: Microsoft-Icon on bottom  
→ All Programs → XmanagerEnterprise 5 → Sessions →  
linuxremote 3 (or 1 or 2) Terminal.xcas

**Goal:** Today you will learn search tools for doing a thorough literature search. Since there are no “textbooks” for the specific research you are doing, this “tool-kit” provides you with information on how to get your resources for information. It is a set of skills you also need to become an “expert”, or simply a set of tools you need as researcher.

### Outline:

Go to our PHYS 310 webpage

<http://www.eg.bucknell.edu/physics/ph310/>

and scroll down to “Literature Search Tools”. I will guide you through the provided links. As we go through the different topics, you will apply each to your research topic.

### 1. Links on PHYS 310 webpage

I will give you a quick guide through the links of the PHYS 310 webpage. For google scholar and Web of Science we will follow the steps below.

### 2. Google Scholar & Web of Science

#### 2a. Google Scholar

Click on the Google Scholar. (probably works from any computer)

- Click on down arrow to do Advanced Search
- Search by topic **Apply:** Search for your research
- Click on title → abstract; pdf-file
- Related articles
- click on “Cited by” (Future) **Apply:** Do this several times to get to paper in 2015 or 2016
- to get to past we will use Web of Science
- author **Apply:** Search for one of authors listed in one of your results. Search for your mentor’s papers.
- Year Published (for getting known reference; for only present) **Apply:** Search for paper in 2014 or later for your research topic.
- click on “Cite” and then on “BibTeX”

**2b. Web of Science** You can get to Web of Science either via Google Scholar or via PHYS 310 webpage. Click on the Web of Science link. (In case you are using Web of Science while not being directly on the Bucknell internet, you can get into Web of Science by using the Databases link and then Web of Science, which will ask you for your Bucknell login information.)

- click on top left orange "Search"
- Add Another Field; Topic or other setting
- Search by topic **Apply:** for your research
- click on title → Cited References (Past)
- Times Cited (Future)
- View Related Records