The best starting points for graduate students are research guides: [http://campusguides.lib.utah.edu/scigrad](http://campusguides.lib.utah.edu/scigrad)

- Off campus access is available. I recommend using the [Off-Campus Access](http://campusguides.lib.utah.edu/scigrad)
- [Interlibrary Loan](http://campusguides.lib.utah.edu/scigrad) provides access to materials not available at the Library. Most articles will be sent as a PDF in three business days. [Register](http://campusguides.lib.utah.edu/scigrad) if it’s your first-time.
- The [University Writing Center](http://campusguides.lib.utah.edu/scigrad) provides thesis, grant, and proposal assistance.
- Laptop and uNID support available in the Knowledge Commons (Level 2)

- **NEW!** The Graduate Student Reading Room (Room 1180, Level 1) is now open. Access is available by providing information to the Information & Security staff at the Level 1 entrance. Coin operated lockers are provided.
- [EndNote](http://campusguides.lib.utah.edu/scigrad) assistance is available
- Purchase software cheaper than the bookstore from Office of Software Licensing
- Make an appointment with us. Appointments can range from 5 minutes to two hours.

Current and older print journals are in the ARC (Automated Retrieval Center). You request journals through the library catalog. They are delivered in less than twenty minutes to the Reserve Desk on Level 2 of the Marriott Library.
Keyword Search Strategies

<table>
<thead>
<tr>
<th>Boolean Operators</th>
<th>Explanation</th>
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</table>
| **OR**            | • Broadens or expands your search  
                    • Used to retrieve like terms or synonyms  
                    • Finds all items with **either** teenager **OR** adolescent  
                    • In set theory and math, **union** is inclusive “OR” teenager U adolescent |
| ![Diagram](OR.png) | ![Diagram](union.png) |
| **AND**           | • Narrows or limits your search  
                    • Used to retrieve unrelated terms  
                    • Finds items with **both** diet **and** children  
                    • In set theory and math, **intersection** is “AND” diet ∩ children |
| ![Diagram](AND.png) | ![Diagram](intersection.png) |
| **Upper Case**    | In Library catalog and PubMed, Boolean operators (AND,OR) must be entered in upper case. |
### Default operator

AND is the default operator in the library catalog, Google, Scopus, PubMed, EBSCOhost (Academic Search Premier, PsycINFO, etc.), and most search interfaces.

### Truncation

**Asterisk** (*

Truncation is also known as a wildcard. Truncation is a symbol that retrieves all the suffixes or endings of a word.

- `school*` retrieves school, schools, schooling, etc.
- `latin*` retrieves latina, latino, Latinas, latinos, etc.

### Nesting

- Commonly used when combining more than one Boolean operator (OR, AND).
- Most search interfaces search left to right. Using parentheses in a search changes the order of operation
  - `(moral* OR ethic*) AND (assisted suicide OR euthanasia)`
  - `(ski OR skis OR skiing OR snowboard*) AND video*`

### Phrase Searching (Using Quotations “ ”)

**“international olympic committee”** **“Utah tennis”**

- Finds items with words in order typed
- Finds the exact phrase
Notes