Library Resources

ENG 107: English Composition II for Engineering
Today's Goals
Today's Goals

- review **Key Research Components** of your Exploratory Essay Assignment
Today's Goals

• review **Key Research Components** of your Exploratory Essay Assignment

• explore **Search Strategies** to Find and Cite library resources
Today's Goals

- review **Key Research Components** of your Exploratory Essay Assignment

- explore **Search Strategies to Find and Cite** library resources

- resources to consult for **Help and Assistance**
Exploratory Essay

Annotated Bibliography

- *minimum* of 5 Scholarly Resources, each of which is
  i. Summarized
  ii. Evaluated
  iii. Discussed
  iv. Described
Annotated Bibliography

• minimum of 5 Scholarly Resources, each of which is
  i. Summarized
  ii. Evaluated
  iii. Discussed
  iv. Described

• listed in APA Citation Style
  (APA = American Psychological Association)
Scholarly Resources
(what they are)

• A means by which professionals, engaged in academic research and creative endeavors, inform their peers of the work they are engaged in or have accomplished. Most scholars communicate is done by writing monographs (aka books & eBooks), journal articles, conference papers, or reports.

• A critical part of scholarly communication is the vetting of work through a peer review process.

• One of the main goals of academic libraries is to facilitate scholarly communication in all its forms.
Scholarly Resources

Scholarly Journal Article

- Language: Technical / Advanced
- Audience: Professional Peers
- Purpose: Share New & Original Information / Research
- Sources: Always Well Cited
- Vetting: Long Peer Review Process
Scholarly Resources

- Language: Technical / Advanced
- Audience: Professional Peers
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NOT Scholarly Resources
<table>
<thead>
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<tr>
<td><strong>Scholarly Journal Article</strong></td>
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- Language: Simple
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- Sources: None or Very Questionable
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Popular Magazine/News Articles
- Language: Simple
- Audience: Everyone
- Purpose: Clicks / Ad Sales / "Info-tainment"
- Sources: Second or Third Hand Accounts
- Vetting: Minimal Editorial Oversight

Substantive Magazine/News Articles
- Language: Moderate
- Audience: Educated Public
- Purpose: Inform, but in a more general manner
- Sources: Credited but not always rigorously cited
- Vetting: Editorial Oversight and Fact-Checked, but no Peer-Review

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Annotated Bibliography

References

Reference 01 citation
Reference 02 citation
Reference 03 citation
Reference 04 citation
# Annotated Bibliography

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Reference 03 citation
Reference 04 citation

Title

#
Annotated Bibliography

- summarize
- discuss
- evaluate
- describe

Reference 01 citation
One paragraph to summarize, evaluate, discuss, and describe the reference.

Reference 02 citation
One paragraph to summarize, evaluate, discuss, and describe the reference.

Reference 03 citation
One paragraph to summarize, evaluate, discuss, and describe the reference.

Reference 04 citation
One paragraph to summarize, evaluate, discuss, and describe the reference.
Annotated Bibliography

- summarize the content
- discuss the limitations
- evaluate the credibility
- describe the usefulness
Annotated Bibliography

• summarize the content

• discuss the limitations

• evaluate the credibility

• describe the usefulness
Annotated Bibliography

- **summarize** the *content*

  "This article describes [blank] and recommends [blank]."

- **discuss** the *limitations*

- **evaluate** the *credibility*

- **describe** the *usefulness*
Annotated Bibliography

- **summarize** the *content*
  
  "This article describes [blank] and recommends [blank]."

- **discuss** the *limitations*
  
  "This article only pertains to [blank] population/time period/location."

- **evaluate** the *credibility*

- **describe** the *usefulness*
Annotated Bibliography

• **summarize** the *content*
  "This article describes [blank] and recommends [blank]."

• **discuss** the *limitations*
  "This article only pertains to [blank] population/time period/location."

• **evaluate** the *credibility*
  "The author is an expert in [blank] and includes information from [blank] studies/sources/research."

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  "This article describes [blank] and recommends [blank]."

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  "The author is an expert in [blank] and includes information from [blank] studies/sources/research."

• **describe** the *usefulness*
  "I used [blank] information from this source to inform my assignment."
Annotated Bibliography

• **summarize** the content

"This article describes [blank] and recommends [blank]."

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"This article only pertains to [blank] population/time period/location."

• **evaluate** the credibility

"The author is an expert in [blank] and includes information from [blank] studies/sources/research."

• **describe** the usefulness

"I used [blank] information from this source to inform my assignment."
Annotated Bibliography


According to the survey of workplace Internet use summarized in this article, employers are very concerned about employees visiting inappropriate Web sites during work hours. However, employers’ monitoring of employees extends beyond blocking certain Websites. Many employers who participated in the study also track individual keystrokes and review e-mails. The study suggests that the majority of the employers who monitor Internet are telling their employees that they are being monitored. These findings seem to contradict many of my other sources, which claim that employers are not doing enough to explain Internet monitoring to their employees. This source comes from a nationally recognized management association. While arguing in favor of employees’ privacy rights, I plan to use this source to show both the employees’ and employers’ perspective on Internet surveillance and monitoring.
Citation Styles

**APA (6th Edition)**

**MLA (8th Edition)**
Citation Styles

APA (6th Edition)


MLA (8th Edition)

Citation Styles

APA (6th Edition)

MLA (8th Edition)
Searching
uSearch

library.miami.edu
uSearch (Exercise)

SEARCH TERM – PICK SOMETHING RELATED TO YOUR ASSIGNMENT

TODAY’S GOAL: come away with one resource to use for your paper
uSearch (Exercise)

SEARCH TERM – PICK SOMETHING RELATED TO YOUR ASSIGNMENT

TODAY’S GOAL: come away with one resources to use for your paper

SAMPLE TOPICS:

- Make solar energy affordable
- Fusion Energy
- Carbon Sequestration
- Nitrogen Cycle Management
- Provide access to clean water
- Restore and improve urban infrastructure
- Advance health informatics
- Engineer better medicines
- Reverse-engineer the brain
- Prevent nuclear terror
- Secure cyberspace
- Enhance virtual reality
- Advance personalized learning
- Tools for scientific discovery

uSearch

Search Library Website
- Contact Information, Hours, etc.

Search Databases to which the Library Subscribes
- only searches within the database title (e.g. Engineering Village, IEEE Xplore, etc.)
  or subject area (e.g. Engineering, Physics, etc.)
- does not search for articles within databases!

Search Library Catalog objects
- Books/eBooks, CDs, DVDs, Maps, etc.
- does not search journal articles of special or digital collections!

SAME RESULTS AS SEARCH BUTTON
Searching (Boolean, Exact Phrase, Wildcard)

- **Sustainable Design**: Finds all entries where the words "Sustainable" or "Design" shows up in the title, description, or subject.
- **Sustainable OR Design**: Finds all entries where both of the words "Sustainable" and "Design" shows up in the title, description, or subject.
- **Sustainable AND Design**: Finds all entries where the exact phrase "Sustainable Design" shows up in the title, description, or subject.
- **"Sustainable Design"**: Finds all entries where the exact phrase "Sustainable Design" shows up in the title, description, or subject.
- **Sustain***: Finds all entries where a word the begins with the letters S-U-S-T-A-I-N shows up in the title, description, or subject (e.g. Sustainable, Sustain, Sustainability, Sustainment).
Searching (Faceting)

1,051,883 Results

Available
- Peer-reviewed Journals (495,841)
- Online Access (1,051,113)
- Available in the Library (791)

Resource Type
- Articles (641,159)
- Conference Proceedings (23,797)
- Dissertations and Theses (3,674)
- Books & eBooks (3,240)
- Book Chapters (1,844)

Subject
- Engineering (64,419)

Language
- English (1,027,556)
- Spanish (3,508)

Date
- From 1990
- To 2019

63,522 Results
Searching (Advanced Search)

Search for:  
- Everything
- Library Catalog
- UM Digital Collections
- Course Reserves

Any field contains Sustainable Design

Material Type
- All items

Language
- Any language

Publication Date
- Any year

Add a new line
Clear

Search

Any field contains Sustainable Design

Page 1 3,148 Results
Searching (Bringing It All Together)
Searching (Bringing It All Together)

PAGE 1 1,051,883 Results

PAGE 1 247 Results

Title contains "Sustainable Design"

AND Any field contains Housing

PAGE 1 17 Results
Saving Search Results

(Email Item to Yourself)

Learning through creating robotic models of biological systems

Online access

- Author: Cooperman, Dan; Verner, Igor
- Description: This paper considers an approach to studying issues in technology and science, which integrates design and inquiry activities towards creating and exploring technological models of scientific phenomena. We implemented this approach in a context where the learner inquires into a biological phenomenon and develops its representation in the form of a robotic model. Our multi-case study involved middle school students and prospective teachers. We considered learning processes, in which the learners used PicoCricket robot construction kits to create a variety of bio-inspired robotic models. We present two such models and the teaching strategy which organizes modeling activities into five learning stages. Based on analysis of learning activities and their outcomes along with the studied cases, we explored characteristics of the learning environment and of the proposed integrative teaching approach. The findings indicate the potential of modeling as a thread, tying together engineering design and scientific inquiry into an integrative learning activity
- Subjects: Science—technology education; Design; Inquiry; Robotics; Biological system; Modeling; PicoCricket
- Language: English
- Identifier: ISSN: 0957-7572; E ISSN: 1573-1804; DOI: 10.1007/s10798-013-9235-y
- Source:
Beyond uSearch
Beyond uSearch
Beyond uSearch
Beyond uSearch

- Google
- Wikipedia
- uSearch
- Scopus
- Web of Science
- Engineering
- Village
- STEM
- Database
Human Resources
(Subject Liaison Librarians)

library.miami.edu
Human Resources
(Subject Liaison Librarians)

James Sobczak
STEM Librarian
(305) 284-4059
jsobczak@miami.edu

Subjects
Chemistry, Computer Science, Engineering, Mathematics, Physics

Ava Brillat
Learning & Research Services Librarian
(305) 284-4058
abrillat@miami.edu

Subjects
Classics, English Literature, English Literature; Graduate Studies, Theatre Arts

Angela Clark
Head, RSMAS Library
(305) 421-4021
 ACLark@rsmas.miami.edu

Subjects
Atmospheric Sciences (ATM), Marine Biology and Ecology (MBE), Marine Ecosystem (MES), Marine Geosciences (MGS), Ocean Sciences (OCE), Undergraduate Geology
Class Research Guide

(everyone – take out your phones)