STEMM Research Workshops:
A Health Sciences and STEM Libraries Collaboration

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Background

Health Sciences and STEM Library Division Collaborations

How To Search Better

- Improve Search Strategies
- ACRL Framework (for undergraduates)
- ACRL Framework (for graduate students)

Brainstorm Next Steps

- STEMM: Science, Technology, Engineering, Mathematics, & Medicine
- What STEMM courses require writing/research assignments?
- How to scale for both undergraduates and graduate students?

Action Plan for Fall 2022

Tiered Workshop Series

- Beginning
- Intermediate
- Advanced

For Consideration

- Pre-Assessment
- In-Class Activity
- Post-Assessment
- In-person & Zoom options
- Evening classes

Original Workshop Outline (Fall 2022)

Part 1: Getting Started (Cari)

- General Library Services & Help
- Information Life Cycle
- Resource Types
- Peer Review Process
- Scholarly vs. Popular
- Brainstorming & Background Research

Part 2: Planning Your Search (Alvaro)

- Research Questions
- Identifying Keywords
- Boolean Operators
- Identifying Databases
- Library Search Demo

Part 3: The Critical Research Process (Renee)

- Supporting Evidence
- CRAAP
- Critical Appraisal
- Citation & Citation Management

Key Takeaways from Fall 2022

Positives

- Scaffolded Overview
- Sharing Workload Among Librarians
- Faculty Buy In

Negatives

- Rough Scheduling
- Low In Person Turnout
- Not Enough Student Feedback

Transition to Spring 2023: Action Plan

- Presented our work to Health Sciences and STEM Library Division, hoping to recruit more librarians
  - Recruited Jennifer to join our team-represented dental health science

- What improvements can we make?
  - Revising Session 3 (less review, more on critical appraisal and citation management)
  - Remind students of feedback survey at the end of session (raffle)

- Scheduling Changes
  - Offer sessions in sequential order
  - Finish all sessions earlier in the semester
  - Only offered online and in the evenings

Statistics: Part 1

"Getting Started with Library Research"

Fall 2022

- 61 Attendees
  - 39% Juniors
  - 34% Seniors
  - 15% Graduate Students

Top Majors:

- Electrical and Computer Engineering
- Chemical Engineering
- Human Biology

Spring 2023

- 27 Attendees (only 2 sessions offered)
  - 22% Graduate Students
  - 41% Juniors
  - 19% Sophomores

Top Majors:

- Computer Science
- Business Administration
- Public Health, Mechanical Engineering, Industrial & Systems Engineering

Statistics: Part 2

___ "Planning Your Search"

Fall 2022

- 65 Attendees
  - 42% Graduate Students
  - 25% Juniors
  - 23% Seniors

Top Majors:

- Public Health
- Computer Science
- Global Health, Chemical Engineering

Spring 2023

- 54 Attendees
  - 56% Juniors
  - 26% Seniors
  - 11% Graduate Students

Top Majors:

- Computer Science
- Business Administration
- Biological Sciences

Statistics: Part 3

___ "The Critical Research Process & Citation Management"

Fall 2022

- 34 Attendees
  - 38% Juniors
  - 35% Seniors
  - 21% Sophomores

Top Majors:

- Health and Human Sciences
- Chemical Engineering
- Computer Science

Spring 2023

- 41 Attendees
  - 42% Juniors
  - 34% Seniors
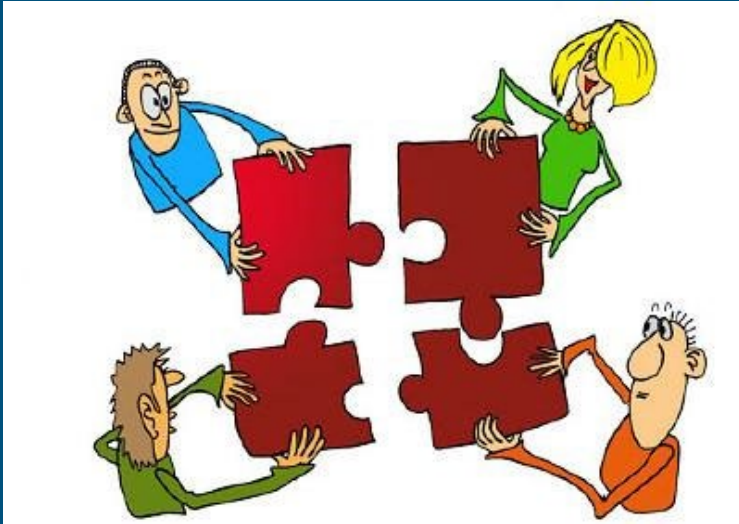 - 10% Graduate Students
  - 10% Sophomores

Top Majors:

- Computer Science
- Electrical and Computer Engineering
- Human Biology

Next Steps: Summer & Fall 2023

- Assess statistics and feedback for both semesters
  - Why did attendance decrease?
  - What are students learning from these sessions?
  - What scheduling changes can be made?
  - How can we edit current sessions, improve them, or add more?
  - How can we promote these sessions to more students from diverse disciplines?
  - How can we gather more feedback directly from students?

- Explore the idea of creating a Libwizard tutorial that would be an asynchronous version of the content of the live Zoom sessions

Thank You!

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