Context

- Three Scholarly Communications Librarians Since 2016
- Interinstitutional Collaboration for Graduate Workshops GradCO
- Demand from Mines Leadership
Growth in Workshop Scope & Planning Committee

  - Scholarly Communications Librarian

- Modern Researcher 501 (2019)
  - Scholarly Communications Librarian
  - Center For Professional Development Education
  - Graduate Student Government

- Career Toolkit For Graduate Students (2022)
  - Scholarly Communications Librarian
  - Center For Professional Development Education
  - Graduate Student Government
  - Career Center
  - Center for Innovation and Entrepreneurship
Literature Review

Why Professional Development?

• Gaps in Career Readiness
  • Graduate School relies on mentorship model
  • As many as 2/3 of graduate students in some STEM disciplines go on to work in industry

“One solution for expanded learning opportunities might be for campus experts to provide workshops featuring skills that complement and supplement the graduate student curriculum”

– Fong et al
Career Readiness Frameworks

Perkins Collaborative Resource Network (PCRN) Employability Skills
• 9 Frames, 42 Lesson Components

National Association of Colleges and Employers (NACE) Career Competencies
• 8 Frames
  1. Career and Self-Development
  2. Communication
  3. Critical Thinking
  4. Equity and Inclusion
  5. Leadership
  6. Professionalism
  7. Teamwork
  8. Technology
Methods

• Workshops were deduplicated for our analysis
  • 77 workshops → 44 unique topics
• Each author took all 44 unique workshops and selected relevant coverage from 8 NACE Frames and 42 PCRN Lesson Components
  • 2200 data points per author
  • Author agreement ignored
  • PCRN Components were combined into frames
• Workshops were organized by semester and analyzed for gaps over time
  • Library Coverage
  • Partner Coverage
  • Overall Coverage
Results
Library-Led Workshops

**PCRN**

- **Applied Academic Skills**
- **Interpersonal Skills**
- **Resource Management**
- **Communication Skills**
- **Technology Use**
- **Critical Thinking Skills**
- **Personal Qualities**
- **Information Use**
- **Systems Thinking**

**NACE**

- **Technology**
- **Teamwork**
- **Leadership**
- **Professionalism**
- **Critical Thinking**
- **Equity and Inclusion**
- **Career and Self-Development**
- **Communication**
Results
Externally Workshops

**PCRN**

- Applied Academic Skills
- Critical Thinking Skills
- Interpersonal Skills
- Personal Qualities
- Resource Management
- Information Use
- Communication Skills
- Systems Thinking

**NACE**

- Technology
- Teamwork
- Leadership
- Professionalism
- Critical Thinking
- Communication
- Equity and Inclusion
- Career and Self-Development
Results

Overall

PCRN

- Applied Academic Skills
- Interpersonal Skills
- Resource Management
- Communication Skills
- Technology Use

- Critical Thinking Skills
- Personal Qualities
- Information Use
- Systems Thinking

Semester:
- Fall 2019
- Spring 2020
- Fall 2020
- Spring 2021
- Fall 2021
- Spring 2022
- Fall 2022

NACE

- Technology
- Professionalism
- Equity and Inclusion
- Communication

- Teamwork
- Leadership
- Critical Thinking
- Career and Self-Development

Semester:
- Fall 2019
- Spring 2020
- Fall 2020
- Spring 2021
- Fall 2021
- Spring 2022
- Fall 2022
Conclusions

• Mapping workshops allowed us to see broad trends and gaps in coverage
• NACE was easier to work with than PCRN
• Takeaways are inconsistent across individuals- surveying graduate students might help
• The existing stable of workshops can be modified to improve coverage
Thank You!

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