Agenda

- Welcome/What is a Department Liaison anyway? (Mary Ochs) - 5 min
- Key Library Services Update – 35 min
- Information literacy instruction in the era of fake news (Kelee Pacion)
- Research data management services (Sarah J. Wright)
- Systematic reviews services (Kate Ghezzi-Kopel)
- Multi-media services and equipment and the new MannYOUfacture -- makerspace@Mann (Camille Andrews)
- Research consultations by appointment (Tom Ottaviano)
- Graduate immersion program update (Erica Johns)
- What’s new in collections? (Michael Cook)

- Conversations with your liaison librarian (20 min)
What does a department liaison do?

• Share information about library services with others in your department
• Provide feedback on purchasing decisions
• Be our eyes and ears – tell us about research trends or curriculum changes in your department
• Direct faculty and students to us for research or instructional support
• Keep up-to-date with what’s happening at Mann – check out our new website

mannlib.cornell.edu
Library instructors aim to integrate library instruction artfully and seamlessly into your course plans. We collaborate with faculty and staff from other campus units to create the best and most effective instruction sessions possible, focusing on information literacy, library resources, research methods, and advanced tools.

Integration library research into an assignment? Our team can help by:

- Designing library instruction embedded with your assignment
- Teach one or more sessions on how to work with information to support research
- Assist with rubric design and grading of information related assignments
- Create online resource guides designed to support specific courses or subjects

Request instruction: https://www.library.cornell.edu/services/instruction/request
Find your Librarian: https://mannlib.cornell.edu/help/faculty-instructors/find-your-librarian
Highlight on Integrated Curriculum Mapping

Scaffolded instruction for Enology & Viticulture major

- **VIEN 1105 lab**: 1 or 2 sessions by librarian to cover the following:
  - Overview of resources at Mann library & Cornell University library
  - Comparing and understanding Trade journal vs. scholarly vs. popular
  - Developing basic search strategies
  - Teaching basic use of Zotero (or Mendeley) - how to store & export references

- **VIEN 2204 lecture**: 1 or 2 sessions by librarian to cover the following:
  - Understanding & utilizing an advanced, well-developed search strategy
  - Teaching advanced use of Zotero or Mendeley (esp. the shared library function for group projects)
Highlight on Integrated Curriculum Mapping

Scaffolded instruction for Enology & Viticulture major

- **VIEN 4500 lab**: 1 session by librarian to cover the following:
  - Understanding the trade literature; How to discover it then critically evaluate it

- **VIEN 4700 lab**: 1 session by librarian to cover the following:
  - Understanding the scholarly literature; How to critically evaluate resources and the quality of scientific papers
Research Data Management at Cornell

January 23, 2017

Sarah Wright
Who cares?

“The OSTP hereby directs each Federal agency with over $100 million in annual conduct of research and development expenditures to develop a plan to support increased public access to the results of research funded by the Federal Government.”

Funder requirements info:
http://data.research.cornell.edu/content/funder-data-requirements

http://www.whitehouse.gov/sites/default/files/microsites/ostp/ostp_public_access_memo_2013.pdf
7. Sharing of Data, Materials, and Software

Publication is conditional upon the agreement of the authors to make freely available any materials and information described in their publication that may be reasonably requested by others.

Data Availability

PLOS journals require authors to make all data underlying the findings described in their manuscript fully available without restriction, with rare exception.

http://www.plosone.org/static/policies.action#sharing

Data and materials availability All data necessary to understand, assess, and extend the conclusions of the manuscript must be available to any reader of Science. All computer codes involved in the creation or analysis of data must also be available to any reader of Science. After publication, all reasonable requests for data and materials must be fulfilled. Any restrictions on the availability of data, codes, or materials, including fees and original data obtained from other sources (Materials Transfer Agreements), must be disclosed to the editors upon submission. If there are any MTAs pertaining to data or materials produced in this research, or that you have

http://www.sciencemag.org/site/feature/contribinfo/prep/gen_info.xhtml#dataavail

Sharing data sets

A condition of publication in a Nature journal is that authors are required to make materials, data and associated protocols promptly available to others without undue qualifications.

Data sets must be made freely available to readers from the date of publication, and must be provided to editors and peer-reviewers at submission, for the purposes of evaluating the manuscript.

http://www.nature.com/authors/policies/availability.html

*Social Media Information Overload* by Mark Smiciklas https://flic.kr/p/cu3jnE
What NSF (generally) wants to see in a data management plan:

1. Expected data & research products
2. Data & metadata formats & standards
3. Policies for access & sharing
   • Timeframe for availability
   • Data storage & security
4. Policies & provision for re-use, re-distribution & production of derivatives
5. Plan for archiving & preservation of access
   • Period of data retention
USDAs Data Sharing Policy

General Requirements:

• Data Management Plans will be required with all proposals as of 2016.
• DMPs will, at a minimum, describe how the researcher(s) will provide for long-term preservation of, and access to, the digital scientific data created by the proposed study.
• Alternatively, researchers can explain why long term preservation and access cannot be justified.
• Plans must address digital data underlying the conclusions of peer-reviewed scientific research publications freely available in public repositories in machine readable formats.
• Implementation will be monitored via annual and final reports.

Other funders with DMP-like requirements:

• Gordon and Betty Moore Foundation
• Gulf of Mexico Research Institute
• IMLS
• NOAA
• NASA
• NEH (Office of Digital Humanities)
• Smithsonian Institute (Digital Asset Management Plan)
• USGS

More information at:
http://data.research.cornell.edu/content/funder-data-requirements
Data Management Services at Cornell

http://data.research.cornell.edu/services

- Excel for Research Data Classes
- DMP Consultation and Review
- Find Data Storage Services
- Referrals to IP & patent law experts
- Decipher data licensing options
- Metadata Creation Assistance
- Find Appropriate Repositories
- eCommons@Cornell
Where can you get help?

**RDMMSG website**
http://data.research.cornell.edu

**DMPTool:**
Web-based tool to build and edit a customized plan according to select funder requirements (including the NSF). [https://dmptool.org/](https://dmptool.org/)

**Ask us for help!**
The RDMMSG supports Cornell researchers.
[rdmsg-help@cornell.edu](mailto:rdmsg-help@cornell.edu)
Daily **office hours** 2-3pm
Service Providers and Collaborators

Weill Cornell Medical College
IT@Cornell
Cornell University Center for Advanced Computing
academic technologies
Cornell University Office of the Vice Provost for Research
Institute of Biotechnology
Cornell University Office of Sponsored Programs (OSP)
Institutional Review Board for Human Participants
Cornell University Cornell Statistical Consulting Unit

rdmsg-help@cornell.edu
data.research.cornell.edu
Sarah Wright
sjw256@cornell.edu
Cornell University Library
Systematic Review Service

CUL Systematic Review Team:
Kate Ghezzi-Kopel, kwg37@cornell.edu
Erin Eldermire, erb29@cornell.edu
Chris Fournier, ctf43@cornell.edu
What is a systematic review?

- A methodical, comprehensive literature synthesis focused on a well-formulated research question
- Identifies and synthesizes all of the available literature on particular topic
- Is conducted in an unbiased, reproducible way
- Identifies gaps in research
- Provides evidence for practice and policy-making
Doing a Systematic Review? Our Team Can Help.

- Identifying relevant databases
- Designing complex search strategies
- Using reference management software
- Creating search alerts
- Guidance on systematic review process and protocol development
- Finding and evaluating published systematic reviews

In-Class Systematic Review Instruction

- Instruction sessions and workshops on systematic review methodology
- Guidance on and support for systematic review related course assignments
Visit our library guide: [http://guides.library.cornell.edu/systematic_reviews](http://guides.library.cornell.edu/systematic_reviews)

Request a consultation: [https://www.library.cornell.edu/services/systematic-review](https://www.library.cornell.edu/services/systematic-review)

---

**Cornell University Library Systematic Review Service**

Are you preparing for a systematic review? A systematic review aims to identify and synthesize all of the scholarly research on a particular topic, including both published and unpublished studies. Systematic reviews are conducted in an unbiased, reproducible way to provide evidence for practice and policy-making and to identify gaps in research. If you're not sure that a systematic review is the right type of literature review for you, or to get started in learning about systematic reviews, see our [Systematic Review guide](http://guides.library.cornell.edu/systematic_reviews).

Cornell University Library offers a systematic review service to research staff, graduate students and faculty at Cornell. This is a service that is provided free of charge, but may be subject to availability of library staff. To initiate a consultation about your systematic review, fill out the form below.

Librarians provide help and guidance in the following areas:

- Systematic literature review
- Evidence-based practice
- Synthesis of qualitative data
- Qualitative research methods
- Conducting a meta-analysis
- Search strategy design
- Evaluating literature
- Data extraction
- Critical appraisal of studies
- Presentation of results
- Writing a systematic review
- Plagiarism detection services

---
Help students design their world at the MannYoufacture makerspace!

Encourage students to use design thinking and produce creative projects beyond a paper or presentation (including 3D printing, rapid prototyping, programming etc)

Work with library instructors to integrate real world design projects in class sessions or workshops

Attend open making times or book special sessions in the makerspace or your own classrooms

Request a consultation! Contact cul-makerspace-admin-l@cornell.edu and for more information and a complete schedule see http://guides.library.cornell.edu/makerspaces
MULTIMEDIA INSTRUCTION

Multimedia projects can encourage problem-solving, increase peer collaboration, help develop writing skills, and enable students to make deeper connections with course content.

Thinking of incorporating a multimedia project into your course? We can provide assistance with:

• Designing effective digital media projects
• Customized in-class workshops
• One-on-one consultations
• Access to creative software (iMovie, Adobe Creative Suite)
• Understanding copyright

Questions? Contact Camille Andrews (ca92@cornell.edu), Matt Ryan (mrr15@cornell.edu), or Tobi Hines (eeh53@cornell.edu)
EQUIPMENT LOANS

Mann Library has a variety of equipment available for check out on a first-come, first-served basis. Equipment may be borrowed for up to three days by current faculty, students, and staff with a valid Cornell ID.

Available equipment includes:

• Digital cameras
• HD camcorders
• Digital audio recorders
• Projectors
• Microphones
• Tripods

Equipment may be checked out at the circulation desk. Questions? Contact mann-circ@cornell.edu
ONE BUTTON STUDIO

The One Button Studio is a simplified video recording setup that can be used without any previous video production experience. The design of the studio allows users to create high-quality and polished video projects without having to know anything about lights or cameras. You only need to bring your flash drive and push a single button to get started!

Make a reservation: www.mannlib.cornell.edu/use/spaces/all/one-button-studio
Questions? Contact Matt Ryan (mrr15@cornell.edu)
**Tom Ottaviano**  
Business & Economics Librarian  
**Areas of Expertise**  
Business, economics, demographics, market research, Bloomberg  
**Liaison to**  
Charles H. Dyson School of Applied Economics and Management (AEM)  
**Contact info**  
Book a Consultation

**Ashley Shea**  
Food & Agriculture Librarian  
**Areas of Expertise**  
Government data, citation management software, systematic database searching, digital literacy, science communication  
**Liaison to**  
Crop and Soil Sciences (CSS)  
Horticulture (HORT)  
Plant Pathology and Plant Microbiology (PPPMB)  
**Contact info**  
Book a Consultation

**Kelee Pacion**  
Instruction Coordinator & Undergraduate Life Sciences Librarian  
**Areas of Expertise**  
Life sciences, social sciences, undergraduate education, citation verification  
**Liaison to**  
Microbiology (BIOMI)  
Molecular Biology and Genetics (MBG)  
Neurobiology and Behavior (BIONB)  
Policy Analysis and Management (PAM)  
**Contact info**  
Book a Consultation

**Sarah Kennedy**  
Collection Development & Digital Collections Librarian  
**Areas of Expertise**  
Collection development  
**Liaison to**  
Entomology (ENTOM)  
Food Science (FOOD)  
**Contact info**  
Book a Consultation
Chris Fournier
Life Sciences Librarian

Expertise
- Animal Science (AN SC)

Book a Consultation

Kate Ghezzi-Kopel
Applied Health Sciences Librarian

Expertise
- Health sciences information resources, PubMed, systematic reviews, evidence-based medicine
- Nutritional Sciences, Division of Nutritional Sciences (DNS), Human Development (HD)

Book a Consultation

Erica Johns
Research Data & Environmental Sciences Librarian

Expertise
- OpenRefine, data management plans, data sharing, metadata standards, usability testing
- Biological and Environmental Engineering (BEE), Ecology and Evolutionary Biology (EEB), Natural Resources (NTRES/DNR), Fiber Science and Apparel Design (FSAD)

Book a Consultation
With: Jim Morris-Knowler

I’m your library contact if you’re affiliated with or are taking a course in Communication, Development, Sociology, DEA and IARD. I also consult on questions related to citation management programs like Zotero, Endnote, and Mendeley.

If you don’t see an available consultation time on my schedule, feel free to email me directly at jmk15@cornell.edu.

Select Date:

Monday, January 23, 2017

Select Time:

4:30pm

Name *
First Name
Last Name

Email *

What do you need help with (please be as detailed as possible)? *

Program, department, major or course?

What is your status? *

Select...

Confirm Appointment
Welcome to 2420

This guide will help you find resources and information important to your data discovery assignment. There are several databases listed here, each with their own strengths. Do not limit yourself to only the resources we looked at in class, you may find others to be best for this assignment.

Bissett Collaborative Center

Bissett Collaborative Center is a state-of-the-art group learning space. Equipped with nine customizable study stations, each with their own LCD screen, laptop hook ups, partitions and whiteboards, this comfortable space is ideal for groups to share ideas and practice presentations. Located on the 2nd floor of Mann Library.
What’s new in collections?

Sarah Kennedy, sek45@cornell.edu

Deborah Cooper, dsc255@cornell.edu
What’s new in collections?

ACSESS DL
Alliance of Crop, Soil, and Environmental Science Societies

Springer

Scopus®

WILEY
Publishers Since 1807

ProQuest®

American Textile History Museum
An affiliate of the Smithsonian Institution

Cornell University Library
MANN LIBRARY
Building and using the collections

Recommend a Purchase

• Books, ebooks
• Journals, ejournals
• Data sets, databases
• Audio-visual, streaming

Special Collections

• Individuals
• Classes
The inaugural Science Immersion Program was a SUCCESS!

Science Masters and Doctoral Students
Library Immersion

Learn specialized research and presentation techniques:
Advanced Citation Management • Complex SEARCH Strategies • Author Rights • Data Management • Online Research Presence • and much more!

Lunch and $150 stipend provided!
Applications for 15 spots accepted until Dec. 1 at tinyurl.com/Cornell-science-immersion

Questions?: cul-sci-immersion-L@cornell.edu

Erica M. Johns  Research Data & Environmental Sciences Librarian  emj73@cornell.edu
43 applicants
13 accepted students
12 departments represented

- Applied Physics
- Biochemistry, Molecular & Cell Biology
- Communication
- Applied Physics
- Immunology & Infectious Disease
- Horticulture
- Fiber Science
- Ecology & Evolutionary Biology
- Biomedical Engineering
- Food Science
- Design & Environmental Analysis
- Civil & Environmental Engineering
- Material Science & Engineering

Erica M. Johns  Research Data & Environmental Sciences Librarian  emj73@cornell.edu
Science Immersion Program Highlights

- Creating an abstract
- Research Misconduct
- Author Rights
- Best Practice for Scientific Presentations
- Types of Scientific Literature
- Text Analysis
- Science Collaboration Tools

Erica M. Johns  Research Data & Environmental Sciences Librarian  emj73@cornell.edu
"Great content! Especially enjoyed the Systematic Reviews, Data Organization and GIS talks..."

"My eyes were really opened up on how much technology and open access software there is out there to help me manage my lab life like OSF and LabArchives and it’s something I feel like will not only help myself but also my peers and colleagues."

"I'm in the phase of writing my first manuscript at Cornell and today's lessons were especially helpful. I would wholeheartedly recommend this program to my peers and people that will come in for next year!"

"The copyright lecture will stick with me for a while..."

"Helpful topics and mostly things that early grad students wouldn't have had much previous exposure to, especially with regards to the logistics of publication, presentation, etc."
QUESTIONS?