

Library Teaching Menu

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The Carnegie Mellon University Libraries support university instructors in many ways. Below are the instructional services we offer including materials of interest to instructors looking to support student learning. These services are designed to assist you in planning your courses and reflect the different pedagogical offerings from the Libraries.

Our library instructors maintain a wide variety of digital and technological skills, such as knowledge of open access publishing, data use and analysis, open science practices, and recommended practices for research. The options below are designed to connect you with that knowledge and expertise. We recognize that university instructors are often tasked with teaching many of these topics within their courses and we are open to supporting your course in a number of ways including direct guest instruction, designing collaborative pedagogical materials, creating videos, helping design assignments, or in other ways that may be useful.

Short Workshops

Short workshops are 1-2 hour sessions designed to teach students, staff, or faculty (or a mixture of these) about a variety of topics. These are often taught by library employees, but occasionally involve guest instructors from the community or industry, and are organized as a Workshop Series each semester. If you are an instructor and would like to have us come give the workshop to your class, we are happy to do that as well (see [Invited Instruction Sessions in Classrooms](#)).

Examples of workshop topics include: *Data Visualization with Tableau, Data Management Tips and Tricks to Organize your Research, Getting Started with Zotero, Introduction to Successful Collaboration for Community Engagement, Intro to Arts x Entrepreneurship, An Introduction to Systematic Literature Review Methods, Patent/Prior Art Searching,, Introduction to Python for Data Science*

How do they work? For the Workshop Series, workshops are offered on throughout the semester both virtually and in-person. Anyone can sign up to attend.

Want to learn more or register for a workshop? Check out [the calendar](#).

Extended Workshops

Extended workshops refer to one-off learning opportunities that typically range from one to three days (either consecutively or over a semester). These workshops often focus on helping students develop skills or knowledge around digital, data, or information skills. These workshops allow more time to discuss core learning objectives with students. They are useful for deep learning around a skill (coding in Python or R, geospatial software, etc.) as well as recommended research practices. These workshops can be hosted solely by the Libraries or in partnership with other units on campus.

Examples of workshop topics include: *Data Carpentries For R and Open Refine; Software Carpentries for Python, Shell, and Git; Introduction to R*

How do they work? These workshops last anywhere from 3 hours to 3 days and are offered a couple of times per semester. Seating is often limited but anyone from CMU can sign up to attend. If you are interested in partnering with University Libraries on an extended workshop, please allow *three months* for planning.

Want to learn more or request an Extended Workshop? Register through the Libraries website or contact Emma Slayton (eslayton@andrew.cmu.edu) to be put on a priority email list for registrations or discuss partnership opportunities with your department or college.

Invited Instruction Sessions in Classrooms and Labs

Library instructors are happy to come into your classroom to support your teaching during a course. These sessions can be set at any specific length that fits with your needs for supporting your students' learning during class time. Visits can also be made to labs to deliver customized instructional sessions for student and staff researchers. Library instructors can address basic research skills (such as citation management, literature review, accessing library resources) or digital literacies (software instruction, etc). These instruction sessions are planned or designed in partnership between you and library instructors.

Previous Examples: Accessing library resources and services, finding and evaluating information resources, finding and working with data, conducting a literature review, etc. Usually these instruction sessions focus intensely on one or two topics and can be designed to address a specific course assignment.

How do they work? Library instructors come into your class for a set period of time (typically half an hour to a whole class period or multiple sessions) and provide a short lecture, with the option of an exercise to familiarize students with a specific topic or area of library support.

Want to learn more or request an in course instruction session?

You can contact an instructor in a couple ways:

1. Finding a potential instructor through one of their workshop registration pages, and sending them an email.
2. Consult with a library instructor who can work with you to design a custom session, or connect you with an instructor with the needed expertise. See the Library Instructors section below for more information.

Course Supplements

Course supplements refers to [Course Guides](#) developed by or in collaboration with library instructors. Course Guides are web pages created by library instructors that highlight useful resources and recommended practices for a given subject area or topic and serve as an easily accessible resource for students.

Examples of Course Guides include: [Drama 54-183/62-183 Writing History Plays](#), [Biological Sciences: 03-346: Experimental Neuroscience](#), [Writing a History Paper](#)

Want to learn more or request collaboration on a course?

Contact your [departmental librarian](#) to request a Course Guide for your class. First-Year instructors can contact Ethan Pullman (ethanp@andrew.cmu.edu) to request collaborations for their 76-10X courses.

Full Courses (mini or full semester)

Full courses are full-semester (9 credits) or mini courses (6 credits) offered by faculty at the CMU Libraries. These courses often relate to learning goals for core competencies and skills that all students regardless of their discipline should be familiar with prior to graduation. Examples of these courses can be found below. These courses are either independently designed by library faculty and hosted within a department or major, or designed with faculty from a specific department to benefit the development of pedagogy that meets learning objectives for their field.

Examples of full courses include:

- **Music:** 57901 Music Research Methods (3 credits, Fall)
- **IDeATe:** 99363 IDeATe: Spatial Storytelling (6 credits, Spring)
- **Statistics & Data Science:** 36204 Discovering the Data Universe (3 credits, no set semester)

Want to learn more or request collaboration on a course?

Contact the Libraries' Outreach for Library Teaching and Learning group (lib-olibtel@lists.andrew.cmu.edu) to learn more about full courses.

Instructional Videos & Tutorials

The University Libraries provides tutorials and other videos on our YouTube site (see links below). These videos explain core information and data literacy topics and tools like citation management and data management, and walk through some of our processes and services. Most of the videos are short, between five and thirty minutes, and can be used to support your courses. We can work with university instructors to integrate videos into courses or record new videos on request. For new video requests, please allow sufficient time for us to receive the request, plan the content, and produce the video (typically 2 weeks to 1 month, depending on length and depth of content). Sample YouTube playlists are shown below. To request a video, get in touch with a [departmental librarian instructor](#) or a [library instructor that specializes in data management, data visualization, or specialized types of research](#).

Pixel Datascapes Series Playlist

Pixel Datascapes was a show dedicated to all the data management lessons we can learn from video games!

Libraries "How To..." Playlist

"How to..." Playlists are short video tutorials on how to use the Libraries' collections and services such as requesting books or digital scans of print items.

Library Orientation Playlist

Learn how to use library resources with our orientation videos.

Licenses to Educational Tools

While the University Libraries provides in-person or asynchronous instruction sessions, additional support for student learning and research is available via licenses to software and subscriptions used to support instruction. We offer access to training materials to ensure that students, faculty and staff get the most out of their experience with the tool. Licenses often include custom vendor support on how to use these platforms in your classrooms.

Examples of Educational Tools include: [LabArchives Education Edition](#) (an electronic research notebook for storing data and documenting research), [JoVE](#) (*Journal of Visualized Experiments*) (short engaging videos of experiments and research methods and accompanying step-by-step protocols), [Sage Campus](#) (a collection of short courses on a variety of data analysis and research skills), [Dataquest](#) (self-paced courses on R, Python, SQL and more).

In addition to these tools, the Libraries pay for licenses to many other [databases and tools](#) for finding texts and resources that may be useful for your course. For more information, contact the Outreach for Library Teaching and Learning group (lib-olibtel@lists.andrew.cmu.edu).

Want to learn more or request access to a license or software?

To take advantage of our LabArchives Education Edition license, please see our [quick start guide](#). You can also request a 1:1 consultation with LabArchives by contacting Melanie Gainey (mgainey@andrew.cmu.edu) to better understand customized options for using LabArchives in your classroom.

To explore options for integrating JoVE into your courses, you can look at the [JoVE Faculty Resource Center](#). You can also contact customersuccess@jove.com to request a free syllabus mapping of JoVE videos to your course.

Library Instructors

Library instructors are committed to creating a cohesive learning environment for CMU students and look forward to working with other instructors in the CMU community. Our instructors can offer consultations on developing pedagogy for specific topics.

- Get in touch with a [departmental librarian](#).
- To find a library instructor that specializes in data management, data visualization, or other specialized types of data research, visit our [Data Services](#) page.
- To request instructional assistance for a first-year writing course (76-10X), complete the [instruction request form](#) (see [instructors' guide](#) for more information).

If you need any support or have questions regarding this document, please contact the Outreach for Library Teaching and Learning group (lib-olibtel@lists.andrew.cmu.edu).