

Course: LIS 690-201

Title: Systems Librarianship

Term: Spring 2023

Credit hours: 3

Meeting days/time/location: Asynchronous, Canvas, Element Messaging

Instructor Information

Name: Dr. Christopher Sean Burns

Email: sean.burns@uky.edu

Office building and room number: 327 Little Library Building

Office phone: (859)-218-2296

Office hours: Tue/Thu 9-11am

Preferred Method of Communication: Email or Element

I usually respond to emails within 24 hours or the first business day after the weekend or holiday; I do not respond to emails in the evenings or on the weekends.

We will use Zoom or Teams to have one on one meetings/office hours.

Course Description

Description: Systems Librarians are responsible for handling the technical aspects of integrated library systems, library service platforms, discovery layers, content management systems, and other technologies that enable electronic access for patrons and allow library staff to manage that access. The Systems Librarianship course is a project based course with the goal of installing and deploying an open source content management system (Omeka) and an open source integrated library system. To achieve these ends, students who take this course will learn the Linux command line, virtual machine administration with Google Cloud, and revision control using Git and GitHub.

Course Prerequisites

N/A

Required Materials

Computer and access to the internet/web.

Associated Expenses

For a minimal monthly cost, students are required to create and use a Google Cloud virtual machine, which requires a valid credit/debit card.

Skill and Technology Requirements

Students must be able to install and/or use software to connect to remote servers.

For technical/account help not related to the course, students can contact Information Technology Services by phone 859-218-HELP (4357) and via the [ITS Customer Services](https://www.uky.edu/its/customer-support-student-it-enablement/customer-services) page. (<https://www.uky.edu/its/customer-support-student-it-enablement/customer-services>)

Student Learning Outcomes

After completing this course, students will be able to:

- use virtual machine, cloud-based technology;
- administer, maintain, and secure a Linux server;
- download, install, and configure complex software;
- read and write technical documentation; and
- communicate using multiple modes of communication.

Course Details

Tentative Course Schedule

Assignments (50% of final grade) & Projects (50% of final grade) and due dates:

Assignment 1: Communicate weekly on Element, due weekly

Assignment 2: Write Markdown Documentation for GitHub, due 1/29 then weekly

Assignment 3: Troubleshoot a Significant Problem, due by 4/26/2023

Assignment 4: Setup *gcloud* Account and VM Instance, due 1/15/2023

Assignment 5: Practice Learn-the-CLI Tutorial, due 1/18/2023

Assignment 6: Practice Learn-the-Filesystem Tutorial, due 1/22/2023

Assignment 7: Setup *git* on Server and GitHub Account, due 1/25/2023

Assignment 8: Install a LAMP Server, due 2/12/2023

Assignment 9: Create a Barebones OPAC, due 2/26/2023

Project 1: (25% of final grade): Install & Setup Omeka, due 3/22/2023

Project 2: (25% of final grade): Install & Setup Koha ILS, due 4/19/2023

- Final Project Discussion, due 4/26/2023

Course Activities and Exams

This course is taught as an asynchronous course using Canvas, Element, and GitHub for collaboration and discussions. Most weeks will involve a lecture or a demonstration from the instructor delivered via videos and transcripts uploaded to Canvas or an alternate site, and demonstrations from the students. It is expected that students will devote a considerable amount of time to study and practice the materials.

All assignments are graded as completed (100 points) or incomplete (0 points). If an assignment is submitted and requires additional work, it will be marked as incomplete and the student will have one week to resubmit for a complete. The final grade is calculated based on the proportion of completed work and weighted per assignment type. Due date extensions are negotiable upon request.

The grading process described above pertains to all three assignment types. These include discussion assignments, major assignments, and the final projects. However, since the last final project is due near the last day of classes, the project must be submitted on time. Regular assignments account for 50% of the final grade; and the final projects account for 50% of the final grade.

Grading Scale

90 - 100% = A

80 - 89% = B

70 - 79% = C

Below 70% = E

Attendance Policy/Acceptable Documentation

Since this course is taught as an online class, students are expected to manage their time and keep up with coursework.

Assignment Policies

Assignment Submissions

Students will submit assignments via Canvas or via appointment on Zoom, depending on the assignment description and software requirements.

Late Assignments

Late assignments are accepted. If an assignment is not submitted due to an unexcused absence, students must reach out to the instructor within one week after the due date to discuss submission times. Until submitted, all work will be marked as incomplete. No work will be accepted after the last day of classes, which is 12/07.

Assignments Due during Prep Week

The Final Project Discussion is due on April 26, which is during Prep Week.

Academic Policy Statements

Please review the Senate's [Academic Policy Statements](#).

Academic Offenses (Cheating, Plagiarism, and Falsification or Misuse of Academic Records)

Please review the [Rules Regarding Academic Offenses](#).

Resources

Please see UK's [Distance Learning Library Services](#), [Tutoring and Coaching Resources](#), proctoring information, etc.

Diversity, Equity, and Inclusion

This course and instructor honor the University's statement on diversity, equity, and inclusion. To read this statement, see [Syllabus Statement on Diversity, Equity, and Inclusion \(DEI\)](#).

Other Student Resources

The University offers a variety of resources to students. Visit the University Senate's [Resources Available to Students](#).