

ULIB 101: Introduction to Library Research [Engineering]

Course Information and Syllabus

ULIB 101 Course Outcomes

At the end of the course, students will:

- Recognize that authoritative content may be packaged formally or informally and may include sources of all media types;
- Assess the fit between an information product's creation process and a particular information need;
- Develop, in their own creation processes, an understanding that their choices impact the purposes for which the information product will be used and the message it conveys.
- Recognize that all information, personal and published, has ethical and economic value which affects its production and dissemination.

Instructional Format

This course will be taught entirely online using a [modified flipped classroom model](#). You will be assigned homework, take quizzes, and complete activities. Your final project will be researching and creating two engineering-related projects about a topic of interest to you: a conference-style poster and a visual artifact (infographic, video, brochure, etc.) for a middle-school audience. All of the coursework will be focused on finding information to create these presentations and then reflect upon their creation.

Course Policies

Attendance / Time on Task:

Successful students login and interact with this course at least **4 days a week**. The WVU eCampus technology makes it possible for your instructor to track where and how often you visit portions of the course site. In keeping with University requirements for a two-credit hour course that meets for 8 weeks, this class requires **6 hours of work a week**.

Deadlines:

This class will have twice-weekly deadlines, on Tuesdays and Fridays. Please check each module for exact days and times. Because the online and accelerated nature of the class allows you quite a bit of flexibility, the deadlines are absolute. No late work will be accepted unless approved by your instructor in advance.

However, **if you ever have a problem with an assignment, email your instructor ahead of the deadline.** Accommodations may be made before a deadline, but not after. Please look ahead and make sure that you keep yourself current with the upcoming projects and assignments.

Course Materials & Technology

Textbook:

This class does not require any textbooks. Reading materials are available within eCampus.

eCampus:

This course assumes that you are comfortable performing basic tasks within eCampus, such as sending attachments, taking quizzes, and posting to course discussion boards. The WVU Information Technology Services (ITS) has an excellent help page for students: <http://ecampusinfo.wvu.edu/student-ecampus-faqs>.

Email:

Your instructor will communicate with you *only* through WVU eCampus or your MIX account; therefore, please check WVU eCampus and MIX frequently.

Technology:

Your final assignment for the class requires you to create two projects: a conference-style poster and a visual artifact (infographic, video, brochure, etc.) for a middle-school audience. Microsoft PowerPoint has poster and infographics templates (select File > New > Poster or Infographics). You can also use Canva (<https://www.canva.com/>) for brochures as it is free and user-friendly. Please contact your instructor about the technology that you will use.

Course Structure

This course has been organized into modules. Each module contains three steps.

Step 1– Homework:

You will read short selections or watch videos related to the content for that module.

Step 2–Quiz:

You will then take a timed multiple-choice quiz on the assigned readings or videos. You will need to complete the quiz to open the module.

Step 3– Exercises and Activities:

You will then use what you learned from the homework to complete exercises and activities. These activities will be used to complete your technical poster and information artifact.

Assignment Descriptions

More detailed descriptions will be found in the course modules.

Quizzes

For most modules, you will take a multiple-choice quiz. The quiz is to test your comprehension of the homework and to help you retain information from the homework. **You will get two chances to take the quiz;** your highest score will be the one recorded.

Exercises:

For each module, you will complete activities to demonstrate your ability to apply the information from that week's homework. These assignments will be used later to complete your final projects.

Poster and Artifact:

For your final assignment, you will create a conference style poster explaining an engineering topic to your professors. You will also create a visual artifact explaining this same concept to novice learners, middle-school students. Information from your course homework will be used to create these projects.

Reflection Memo

For your final assignment, you will write a memo to your instructor reflecting on your research process.

Plagiarism Avoidance Tutorial

You will take an online tutorial about avoiding plagiarism.

Note on Assignment Submission

You must submit work in the correct way and on time for it to be accepted. Carefully read the instructions in the module for each assignment. Instructors can refuse to accept assignments not submitted through eCampus or through the required method.

Assignments & Percentage of Final Grade:

Quizzes: 25%

Weekly Exercises: 25%

Plagiarism Avoidance Tutorial: 5%

Poster: 15%

Artifact: 15%

Reflection Memo: 15%

Grade Determination:

100-90% = A

89-80% = B

79-70% = C

69-60% = D

0-59% = F

Course Etiquette & Netiquette

Email / eCampus Access

Please do not share any account information / login (WVU eCampus or otherwise) that you use for this class with anyone else. Because of the online nature of the course, instructors will assume that anything that comes to them from your account is from you; therefore, you are responsible for everything they receive from you. Any work and/or messages submitted not written by you can constitute academic dishonesty for this class.

Student Etiquette

Please contribute to an environment conducive to the learning of all students. This contribution includes, but is not limited to:

- Respecting the opinions of others
- Being prepared to participate actively, especially in group work.
- Taking responsibility for your learning and progress in the course.

Help and Tips for Success

Read / View the Modules Before You Do the Assignments

A schedule of required activities is listed in the Modules. Please read or view the course materials before you attempt the assignments; you will understand them more fully and be more successful. If you have any questions, you can email them to your instructor.

Plan Ahead

Schedule your time so that you can get your work in before the deadline. Ask questions when you are unclear about what is expected of you. If you have questions about the modules, you can post to the Questions Discussion Board or email your instructor.

Academic or Technical Help

If you have any technical questions, please visit the [ITS Help Desk](#) or give them a call: 304- 293-4444; Toll Free: 1-877-327-9260; or email ITSHelp@mail.wvu.edu.

If you need academic help, visit the [Academic Resource Center](#) page to check for tutors and workshops.

Academic Integrity Statement

The integrity of the classes offered by any academic institution solidifies the foundation of its mission and cannot be sacrificed to expediency, ignorance, or blatant fraud. Therefore, instructors will enforce rigorous standards of academic integrity in all aspects and assignments of their courses. For the detailed policy of West Virginia University regarding the definitions of acts considered to fall under academic dishonesty and possible ensuing sanctions, please see the West Virginia University [Academic Standards Policy](#). Should you have any questions about possibly improper research citations or references, or any other activity that may be interpreted as an attempt at academic dishonesty, please see your instructor before the assignment is due to discuss the matter.

Plagiarism and cheating are serious offenses. Clear cases can result in an F for the course and appropriate academic discipline. If you have any questions about when and how to avoid unintentional plagiarism, please contact me.

Inclusivity Statement

The West Virginia University community is committed to creating and fostering a positive learning and working environment based on open communication, mutual respect, and inclusion.

If you are a person with a disability and anticipate needing any type of accommodation in order to participate in your classes, please advise your instructors and make appropriate arrangements with [the Office of Accessibility Services](https://accessibilityservices.wvu.edu/). (<https://accessibilityservices.wvu.edu/>)

More information is available at the [Division of Diversity, Equity, and Inclusion](https://diversity.wvu.edu/) (<https://diversity.wvu.edu/>) as well. [adopted 2-11-2013]

Mental Health:

Mental health concerns or stressful events can adversely affect your academic performance and social relationships. WVU offers services to assist you with addressing these and other concerns that you may be experiencing. You can learn more about the broad range of confidential mental health services available on campus at the Carruth Center for Psychological and Psychiatric Services (CCPPS) website: <https://carruth.wvu.edu/>

If you are in need of crisis services, call the CCPPS main number 24/7: (304) 293-4431.

Course Schedule

Orientation & Module 1 work due Friday March 10 Introduction to the Course	HOMework FOR QUIZ 1	ASSIGNMENTS DUE
	Watch: 1. Prezi about navigating the class; submitting assignments; checking grades 2. Overview to eCampus video Read: 3. Course Syllabus & Schedule	Post Introduction Post Expertise / Interest Chart WVU Plagiarism Avoidance Tutorial available till
Module 2 work due Tuesday March 21 Choose and / or Narrow Topic	HOMework FOR QUIZ 2	ASSIGNMENTS DUE
	Watch: 1. Using Concept Maps 2. How to Create a Concept Map Read: 3. What is Micro-Learning 4. Guidelines to Micro-Learning	Brainstorm Topics and post a Concept Map
	HOMework FOR QUIZ 3	ASSIGNMENTS DUE

<p>Module 3 work due Friday March 24</p> <p>Engineering Ethics and Research</p>	<p>Read:</p> <ol style="list-style-type: none"> 1. "SOCIETY, CULTURE, AND TECHNOLOGY-- Ten lessons for Educators, Developers, and Digital Scientists" 2. NSPE Code of Ethics for Engineers 	<p>Post Preferred Topic</p> <p>Post discussion of Engineering Ethics case</p>
<p>Module 4 work due Tuesday March 28</p> <p>Intellectual Property / Copyright</p>	<p>HOMEWORK FOR QUIZ 4</p> <p>Read:</p> <ol style="list-style-type: none"> 1. Understanding Industrial Property 2. "Intellectual property" is a silly euphemism 	<p>ASSIGNMENT DUE</p> <p>Post discussion of Intellectual Property / Copyright</p>
<p>Module 5 work due Friday March 31</p> <p>What is a Reliable Source?</p>	<p>HOMEWORK FOR QUIZ 5</p> <p>Read:</p> <ol style="list-style-type: none"> 1. Information Literacy Standards for Science and Engineering / Technology 2. The CUT Test <p>Watch:</p> <ol style="list-style-type: none"> 3. Credibility is Contextual 4. Scholarly vs. Non-Scholarly 	<p>ASSIGNMENT DUE</p> <p>What is a Reliable Source worksheet</p>
	<p>HOMEWORK FOR QUIZ 6</p>	<p>ASSIGNMENT DUE</p>

<p>Module 6 work due Tuesday April 4</p> <p>(Government) Reliable Web Sources for STEM</p>	<p>Explore:</p> <ul style="list-style-type: none"> Government website USA.gov 	<p>(Government) Reliable Web Sources for STEM worksheet</p>
<p>Module 7 work due Saturday April 8</p> <p>Working with Standards</p>	<p>HOMEWORK FOR QUIZ 7</p> <p>Watch:</p> <ol style="list-style-type: none"> Standards - An Introduction 802.11 WiFi Standards – An Introduction 	<p>ASSIGNMENT DUE</p> <p>Working with Standards #1 worksheet Post discussion of Working with Standards #2</p>
<p>Module 8 work due Tuesday April 11</p> <p>Engineering Centered Databases: IEEE / Engineering Village</p>	<p>HOMEWORK FOR MODULE 8</p> <p>Watch:</p> <ol style="list-style-type: none"> Accessing and Using the IEEE Database Accessing and Using the Engineering Village Database 	<p>ASSIGNMENT DUE</p> <p>Engineering-Centered Databases: IEEE / Engineering Village worksheet</p>
<p>Module 9 work due Friday April 14</p> <p>Engineering Centered Databases: Topic-Relevant</p>	<p>HOMEWORK FOR MODULE 9</p> <p>Watch:</p> <ol style="list-style-type: none"> Using Statista Using ProQuest Central Using Lesser Known EbscoHost Databases 	<p>ASSIGNMENTS DUE</p> <p>Engineering-Centered Databases: Topic Relevant worksheet</p>
<p>Module 10 work due</p>	<p>HOMEWORK FOR MODULE 10</p>	<p>ASSIGNMENT DUE</p>

<p>Tuesday April 18</p> <p>Plagiarism / Citations</p>	<p>None</p>	<p>Complete the WVU Plagiarism Avoidance Tutorial Post discussion of Citations / Reference List</p>
<p>Module 11 work due Friday April 21</p> <p>Share Draft of Final Project</p>	<p>HOMEWORK FOR MODULE 11</p>	<p>ASSIGNMENTS</p>
<p>Module 12 work due Tuesday April 25</p> <p>Peer Review</p>	<p>HOMEWORK FOR MODULE 12</p>	<p>ASSIGNMENT DUE</p>
<p>Module 13 work due Friday, April 28th</p> <p>Turn in Final Project</p>	<p>HOMEWORK FOR MODULE 13</p>	<p>ASSIGNMENTS DUE</p>
	<p>None</p>	<p>Post Drafts of your Technical Poster and Information Artifact for Middle School Students</p>
	<p>None</p>	<p>Post a Peer Review of an assigned classmate's Technical Poster and Information Artifact for Middle School Students</p>
	<p>None</p>	<p>Submit your Technical Poster, Information Artifact for Middle School Students, and Reflection Memo</p>