



ENGR 5410: Scientific Communication

Syllabus

Course and Facilitator Information

Course Title: Scientific Communication

Credits: 1.0

Format: In-person, Room MCHU 201

Prerequisites: None

Facilitator:

- **Fayekah Assanah**, Assistant Professor in Residence, Dept. of Biomedical Engineering, UConn
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- **Nusaybah Quasem**, Program Assistant, Engineering Graduate Programs
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Office Hours: By Appointment

Course Materials

All course materials will be available within HuskyCT and/or through an Internet link.

Course Description

Full Course Title: "Scientific Communication"

The goal of this course is to formalize the practice and improve professional development skills related to communicating scientific data and research related topics. Topics include: (i) developing the skill to build a story with relevant information to communicate scientific data; (ii) developing the art of public speaking and communicating scientific ideas to the research community and the general public; (iii) creating proper template for presentations, talks or posters; (iv) assessments and feedback for continuous improvement and (v) developing

dissertation briefs. The course will also include invited talks and feedback from guest speakers in the field of communication.

Course Objectives

By the end of the course, participants should be able to learn and practice presentation skills to communicate scientific data.

1. Identify relevant information to build a story around the topic of research
2. Work individually and with peers, instructors, and guest lecturers to develop presentations/talks/posters for a scientific community and the general audience
3. Practice the art of public speaking to communicate scientific ideas
4. Form a cohort/network/community/peer group within the class to support and mentor each other for success and to enhance active participation and build team work.
5. Create an effective dissertation brief
6. Create an impressive presentation/talk/poster

Course Schedule

Fall 2022, Wednesdays 12 - 1 pm
Room: MCHU 201

Course Requirements and Grading

Summary of Course Grading:

Course Components	Graded	Feedback Method	Weight
Active Participation	Complete/ Incomplete	Facilitator	25%
<i>Presentation assignments, providing constructive feedback to peers towards acquiring an effective communication skill</i>	Quality	Performance & Facilitator	50%
Final Reflection	Complete/ Incomplete	Facilitator	25%

Due Dates and Late Policy

Please turn in all work on time.

Feedback and Grades

Feedback to “quick questions” can take up to 2 business days. Feedback time on longer questions/final deliverables will be at least 1 week.

Time Commitment

You should expect to dedicate approximately 42 hours to this course, including time attending class/discussions.

Student Responsibilities and Resources

As a member of the University of Connecticut student community, you are held to certain standards and academic policies. In addition, there are numerous resources available to help you succeed in your academic work. Review these important [standards, policies and resources](#), which include:

- The Student Code
 - Academic Integrity
 - Resources on Avoiding Cheating and Plagiarism
- Copyrighted Materials
- Credit Hours and Workload
- Netiquette and Communication
- Adding or Dropping a Course
- Academic Calendar
- Policy Against Discrimination, Harassment and Inappropriate Romantic Relationships
- Sexual Assault Reporting Policy

Students with Disabilities

The University of Connecticut is committed to protecting the rights of individuals with disabilities and assuring that the learning environment is accessible. If you anticipate or experience physical or academic barriers based on disability or pregnancy, please let me know immediately so that we can discuss options. Students who require accommodations should contact the Center for Students with Disabilities, Wilbur Cross Building Room 204, (860) 486-2020 or <http://csd.uconn.edu/>.

Blackboard measures and evaluates accessibility using two sets of standards: the WCAG 2.0 standards issued by the World Wide Web Consortium (W3C) and Section 508 of the Rehabilitation Act issued in the United States federal government.” (Retrieved March 24, 2013 from [Blackboard's website](#))

Software/Technical Requirements (with Accessibility and Privacy Information)

The software/technical requirements for this course include:

- HuskyCT/Blackboard ([HuskyCT/ Blackboard Accessibility Statement](#), [HuskyCT/ Blackboard Privacy Policy](#))
- [Adobe Acrobat Reader](#) ([Adobe Reader Accessibility Statement](#), [Adobe Reader Privacy Policy](#))
- Google Apps ([Google Apps Accessibility](#), [Google for Education Privacy Policy](#))
- Microsoft Office (free to UConn students through uconn.onthehub.com) ([Microsoft Accessibility Statement](#), [Microsoft Privacy Statement](#))
- Dedicated access to high-speed internet with a minimum speed of 1.5 Mbps (4 Mbps or higher is recommended).
- Webcams and microphones

For information on managing your privacy at the University of Connecticut, visit the [University's Privacy page](#).

NOTE: This course has NOT been designed for use with mobile devices.

Help

[Technical and Academic Help](#) provides a guide to technical and academic assistance.

This course is completely facilitated online using the learning management platform, [HuskyCT](#). If you have difficulty accessing HuskyCT, you have access to the in person/live person support options available during regular business hours through the [Help Center](#). You also have [24x7 Course Support](#) including access to live

chat, phone, and support documents.

Minimum Technical Skills

To be successful in this course, you will need the following technical skills:

- Use electronic mail with attachments.
- Save files in commonly used word processing program formats.
- Copy and paste text, graphics or hyperlinks.
- Work within two or more browser windows simultaneously.
- Open and access PDF files.

University students are expected to demonstrate competency in Computer Technology. Explore the [Computer Technology Competencies](#) page for more information.

Evaluation of the Course

A survey will be administered at the end of the course. This is where you can provide constructive feedback so this course experience can be continually improved.