



**School of Communication and Journalism
 Course Offerings
 Fall 2022**

COM/JRN 501 - FOUNDATIONS OF SCIENCE COMMUNICATION I (1 Credit)*

In this team-taught, immersive science communication training, students will build skills to passionately communicate in a way that excites, engages, and encourages audiences to want to learn more about their work. Improvisational theater-based techniques are combined with message design strategies like distilling and storytelling, enabling healthcare professionals, scientists, and researchers to use strategy and spontaneity to execute powerful communication in any context.

Prerequisite: None

COM/JRN 501, Section S02 – Professors Lydia Franco-Hodges and Kimberly Stauffer

This section meets in-person for three sessions, in Melville Library, Room N4006. Registration for this section is by permission only.

Session	Date	Time
1	Friday, September 16	1:00PM to 5:00PM EDT
2	Saturday, September 17	9:00AM to 5:00PM EDT
3	Sunday, September 18	9:00AM to 1:00PM EDT

COM/JRN 501, Section S30 – Dr. Radha Ganesan and Professor James Rea

This section meets online for four synchronous sessions. Spots are reserved for students studying remotely or who otherwise have schedule conflicts with S02 of this class. Registration for this section is by permission only.

Session	Date	Time
1	Monday, August 29	2:20PM to 5:50PM EDT
2	Monday, September 12	2:20PM to 5:50PM EDT
3	Monday, September 19	2:20PM to 5:50PM EDT
4	Monday, September 26	2:20PM to 5:50PM EDT

COM/JRN 503 - FOUNDATIONS OF SCIENCE COMMUNICATION II (1 Credit)*

In this immersive science communication training, participants who have completed JRN 501 will continue their foundations in science communication with explorations into engaging with key audiences and the media, as well as creating a presentation accompanied by compelling visuals.

Prerequisite: COM/JRN 501

COM/JRN 503, Section S30 – Professors Elizabeth Bojsza and Carla Jablonski

This section meets online for four synchronous sessions. Registration for this section is by permission only.

Session	Date	Time
1	Tuesday, November 8	3:00PM to 6:30PM EDT
2	Tuesday, November 15	3:00PM to 6:30PM EDT
3	Tuesday, November 22	3:00PM to 6:30PM EDT
4	Tuesday, November 29	3:00PM to 6:30PM EDT

JRN 510 - BASIC REPORTING AND WRITING FOR JOURNALISM

In this team-taught, immersive science communication training, students will build skills to passionately communicate in a way that excites, engages, and encourages audiences to want to learn more about their work. Improvisational theater-based techniques are combined with message design strategies like distilling and storytelling, enabling healthcare professionals, scientists, and researchers to use strategy and spontaneity to execute powerful communication in any context.

Prerequisite: None

JRN 510, Section S01 – Professors Sarah Baxter and Irene Virag

This section meets in-person on Mondays from 11:45AM to 2:35PM EDT.

COM/JRN 513 - SCIENCE OF SCIENCE COMMUNICATION (1 Credit)*

The U.S. National Academies has paid increased attention to the “science of science communication,” an interdisciplinary area of social science and humanities research and scholarship that spans a range of disciplines, including communication, psychology, decision science, mass communication, risk communication, health communication, political science, sociology, and science and technology studies, history, and others. This course is designed as an introductory survey course for graduate students in science, biomedical, engineering, and health disciplines to this interdisciplinary field. The key goal is to provide context on science communication research that can inform students’ science communication practices. Specifically targeted to students who are not communication researchers, this essential overview will help students understand the importance of linking theory with practice when they communicate about their own research.

Prerequisite: None

COM/JRN 513, Section S30 - Dr. Alix Dehayem

This section meets online asynchronously for five weeks from October 3 to November 4.

COM 516 - COMMUNICATION RESEARCH METHODS (3 Credits)

To best understand human communication, we must be able to ask meaningful questions and conduct research to find reliable and valid answers to those questions. The ability to engage in the research process, analyze data, and evaluate the credibility of published research findings is vital in any career path. This course builds on your prior research experience in a scientific field and takes a social scientific approach to communication research to prepare you to successfully conduct research at the graduate level. As part of this course you will identify and delve more deeply into a content area within the Science of Science Communication field to build greater knowledge about how specific areas of science communication are interpreted, measured, and disseminated. You will read communication journals, conduct theory-driven research, and use numerical and statistical concepts to analyze and interpret empirical data related to your chosen area. You will conduct statistical analysis using SPSS, and be introduced to various quantitative and qualitative data collection and analysis procedures. We will learn about traditional and non-traditional data collection methods, tools for analysis, and current research trends. Required for Science Communication MS.

Prerequisite: None

COM 516, Section S01 - Dr. Ruobing Li

This section meets online synchronously on Mondays from 9:15AM to 12:05PM EDT.

COM/JRN 534 - COMMUNICATING YOUR SCIENCE USING DIGITAL MEDIA (3 Credits)

Science and health information increasingly travels by digital media, as new ways emerge for scientists to communicate directly with the public, without the intermediaries of press or public relations. In this online course, students will learn how to be a more effective and engaged online communicator, so that their science can reach a greater audience in more meaningful ways. Students will also learn about the great potential and perils of social media, as they learn to think critically about the broader issues surrounding this medium. This course gives students a practical and hands-on approach to teach them how to use digital "tools of the trade" such as blogs, video, audio/podcasts, and social media platforms to foster two-way communication with different segments of the public, including colleagues in other disciplines. Using improvisational techniques combined with message design strategies for structuring content, students will create, practice and hone their science communication skills through this dynamic and interactive online course.

Prerequisite: COM/JRN 565 or COM/JRN 501 + COM/JRN 503 + COM/JRN 513

COM/JRN 534, Section S31 - Dr. Radha Ganesan

This section meets online asynchronously from August 22 to December 5. Synchronous workshop sessions will be scheduled according to student availability at the start of the semester.

COM/JRN 565 - COMMUNICATING YOUR SCIENCE (3 Credits)

This course is for graduate students in science, biomedical, engineering, and health disciplines who want to communicate effectively and responsively with multiple audiences, from peers and professors to potential employers, policymakers and the lay public. Students will focus on speaking about science clearly and vividly in ways that can engage varied audiences, especially those outside their own field. The class will include instruction and practice in connecting and finding common ground with an audience, defining goals, identifying main points, speaking without jargon, explaining meaning and context, using storytelling techniques, and using multimedia elements. The class will include

improvisational theater exercises that help speakers pay close and dynamic attention to others, reading nonverbal cues, and responding freely without self-consciousness. As a culminating activity, students will develop and deliver an engaging short oral presentation on a scientific topic. ***The cumulative learning outcomes for COM/JRN 501 + COM/JRN 503 + COM/JRN 513 are equivalent to those of COM/JRN 565. Students should enroll in EITHER 501+503+513 OR 565.***

Prerequisite: None

COM/JRN 565, Section S01 - Professors Elizabeth Bojsza and Lousia Johnson

This section meets in-person and online both synchronously and asynchronously, all semester on Wednesdays from 4:25PM to 7:15PM EDT. Asynchronous sessions will be listed on the syllabus. Details for the in-person sessions can be found below.

Session	Date	Time
1	Wednesday, August 24	4:25PM to 7:15PM EDT
2	Wednesday, August 31	4:25PM to 7:15PM EDT
3	Wednesday, September 7	4:25PM to 7:15PM EDT
4	Wednesday, September 14	4:25PM to 7:15PM EDT
5	Wednesday, September 21	4:25PM to 7:15PM EDT
6	Wednesday, September 28	4:25PM to 7:15PM EDT

COM/JRN 565, Section S02 - Dr. Radha Ganesan and Professor Nancee Moes

This section meets in-person and online synchronously. Online synchronous sessions meet on Mondays from 2:40PM to 5:30PM EDT from August 22 to November 21, with no class on September 5, September 19 and October 10. Details for the in-person sessions can be found below.

Session	Date	Time
1	Friday, September 16	1:00PM to 5:00PM EDT
2	Saturday, September 17	9:00AM to 5:00PM EDT
3	Sunday, September 18	9:00AM to 1:00PM EDT

COM/JRN 577 - COMMUNICATION LAW AND ETHICS (3 Credits)

An online course that will provide the student a model by which they can analyze, understand, and act upon the law and ethical considerations that science communicators, journalists, mass media professionals and consumers face in the 21st century. The class will use case studies, the Society of Professional Journalists Code of Ethics, the First Amendment Handbook from the Reporters Committee for the Freedom of the Press, and current newsworthy stories to build an analytical model. Required for Science Communication MS.

Prerequisite: None

COM/JRN 577, Section S01 - Professor Juliette Passer

This section meets online asynchronously from August 22 to December 5.

COM/JRN 583 - PRINCIPLES OF INCLUSIVE ENGAGEMENT (3 Credits)

How do individual & group differences matter when it comes to who we are, the teams we're on, the work we do, and the people we engage? When does difference become a disadvantage? And what can we do in response? What helps difference become an offer of discovery, development, and depth? This course is designed to help you learn to engage others in inclusive, empathetic, and just ways. We will read and discuss work from several disciplines, including journalism, the social sciences, and race/gender/disability studies. Some of these readings may be supplemented with art: poetry, music, film. Among the techniques we use are improvisational theater exercises that will help you connect with an audience, pay close and dynamic attention to others, read nonverbal cues, respond freely and work through nerves and self-consciousness.

Prerequisite: None

COM/JRN 583, Section S30 - Professor Nancee Moes

This section meets online synchronously on Thursdays from 3:00PM to 5:50PM EDT.

COM/JRN 585 - COMMUNICATING SCIENCE & HEALTH RISKS TO THE PUBLIC (3 Credits)

This course explores risk communication theories and strategies, and their application to effective communication in science, environmental, and public health settings. The processes and effects of persuasive communication as they relate to message framing are also explored. You will learn how to use effective communication to advance individual and community-level decision-making about science and public health issues. Specifically, risk communication through interpersonal, organizational, and mediated channels will be explored, with particular attention paid to message features that are believed to generate predictable effects. You will explore how communication impacts the public's experience of risk, and practice designing and delivering culturally competent messages about potential science, health, and environmental hazards. This course is highly experiential, provides opportunities to practice delivering a variety of risk messages, and allows for peer and expert feedback in the protected environment of the classroom.

Prerequisite: None

COM/JRN 585, Section S30 - Dr. Christine Gilbert

This section meets online synchronously on Tuesdays from 1:15PM to 4:05PM EDT.

COM/JRN 587 - INDEPENDENT STUDY (3 Credits)

Intensive study of a special topic or intensive work on a reporting project undertaken with close faculty supervision. May be repeated. Elective for all programs.

COM/JRN 588 - GRADUATE INTERNSHIP (3 Credits)

Students participate in an appropriate internship with an organization or institution devoted to the program content themes of science, health, environment or technology. The work must involve skills related to the educational goals of the program. Student interns will report regularly to a faculty member and will complete an internship project, including a portfolio of work done. Required for Science Communication MS.

JRN 590 - SPECIAL TOPICS IN JOURNALISM: INTERNATIONAL COMMUNICATION (3 Credits)

This course will analyze the role of media, policies and technology in the communication between countries and across the world. It will cover the political theories of the press, and the changes in news flow brought about by advancing technologies. *Syllabus will reflect the most up-to-date course description.*

Prerequisite: None

JRN 590, Section 01 - Dr. Jonathan Sanders

This section meets in-person on Tuesdays from 3:00PM to 5:50PM EDT.

COM 599 - PROJECT WORK IN SCIENCE COMMUNICATION (3 Credits)

This course is designed to help graduate students learn to speak effectively and responsively with a public audience and applies what they have learned about science communication into a real-world context. With the mentorship of a faculty advisor, participants propose, plan, and execute a capstone project in science communication. Examples include but are not limited to: competing in science communication competitions, creating podcasts, and outreach to schools like “Science Unplugged.” Each student will participate as a peer coach for one other student. This course is open to and required for Advanced Certificate in Communicating Science students only.

Prerequisites: JRN 565 or JRN 501+ 503 + 513 and at least one elective course (3 credits). Preference for enrollment will be given to students who have already completed 9 credits towards the Advanced Certificate in Communicating Science.

COM 699 - MASTER'S PROJECT IN SCIENCE COMMUNICATION (3 Credits)

The culminating experience for students in the M.S. in Science Communication. Students will plan, design, and complete a research-based, engaged science communication project of professional caliber. The project should reflect what students have cumulatively learned in the program and respond to the needs of an organization, community, or stakeholder. Students may work individually or in teams. Each project will have written, visual, and/or interactive components.

Prerequisites: COM 588

**Students enrolled in, or considering enrollment in, our Masters in Science Communication or Advanced Graduate Certificate in Communicating Science are strongly encouraged to take COM/JRN 565 (3 credits) instead of the 1-credit courses — COM/JRN 501 + COM/JRN 503 + COM/JRN 513 – as these courses will no longer run effective Spring 2023. The cumulative learning outcomes for COM/JRN 501 + COM/JRN 503 + COM/JRN 513 are equivalent to those of COM/JRN 565.*