



PTYS 595B 001 – COMMUNICATION SKILLS IN PLANETARY SCIENCE: COSMOCHEMISTRY

Zoom (live-online) or Kuiper 330 (in-person)

Wednesdays 2PM – 2:50PM

Description of Course

The course will focus on helping students to build the skills to become an effective science communicator and be able to share scientific concepts & results to the broader science community and the general public. In addition to oral presentation and scientific writing skills, the course will also discuss publishing in high-impact journals, press releases, elevator speech, media training, illustrations/graphic design, and social media. While the course will primarily be based on communication skills in Cosmochemistry, it will be relevant to all Earth & Planetary science students.

Instructor and Contact Information

Prof. Pierre Haenecour

Office: Kuiper 530

Email: haenecour@arizona.edu (putting PTYS 595B in the subject line is appreciated)

Virtual (through Zoom)/in-person office hours: schedule by email appointment

Course website on D2L

Course Format and Teaching Methods

Most class meetings will be built around reading assignments/discussions and guest lectures. In addition, students will lead short presentations. Although no formal attendance record will be made, class participation will be part of the grade, and assignments are likely to make more sense if you've been to class.

Class Format: ***Flex In-Person***

Tentative schedule for the teaching format:

- **First two weeks:** Live Online (Zoom through D2L)
- In-person classes in Kuiper 330 (not until it is safe)

All the meeting times for both remote and in-person teaching will be on the originally scheduled times: Wednesdays from 2:00 to 2:50PM. It is important to note that, while the course will operate as flex in-person mode, we must be ready to adapt as the pandemic changes. We ask that you remain patient and flexible this semester. The class will be only meeting remotely in January until the COVID-19 Omicron situation permits safe teaching and learning on campus.

Zoom will only be set up for Live Online classes as needed. The class won't be recorded. If you are unable to come to class in-person, contact the instructor (haenecour@arizona.edu) at least 48h before the class (by Monday 12pm) to arrange Zoom link (Live Online) or Zoom recording (Online Asynchronous). All recordings posted on D2L are subject to government and university regulations. Therefore, students accessing unauthorized recordings or using them in a manner inconsistent with UArizona values and educational policies are subject to suspension or civil action.

Requirements for In-person Teaching

As we enter the Fall semester, the health and wellbeing of everyone in this class is the highest priority. Accordingly, we are all required to follow the university guidelines on COVID-19 mitigation. Please visit www.covid19.arizona.edu for the latest guidance.

Face coverings are required in all classroom: Based on current health conditions and aligned with CDC guidance as well as our commitment to deliver in-person learning at the University of Arizona, we will **require the use of surgical or higher-grade (KN95, KF94 and N99) face masks**. Please note that cloth masks will no longer meet the face covering requirement. However, you may combine a cloth mask (top layer) and a surgical mask (bottom layer) to improve fit and increase protection. These requirements apply to all faculty, staff, students, designated campus colleagues and visitors to the University of Arizona campuses or locations.



The [Disability Resource Center](#) is available to explore [face coverings and accessibility considerations](#) if you believe that your disability or medical condition precludes you from utilizing any face covering or mask option. DRC will explore the range of potential options as well as remote course offerings. Should DRC determine an accommodation to this directive is reasonable, DRC will communicate this accommodation with your instructor.

Physical distancing is required in our classroom: During our in-person class meetings, we will respect CDC guidelines, including restricted seating to increase physical distancing and appropriately-worn face coverings. Any student who violates this directive will be asked to immediately leave the learning space, and will be allowed to return only when they are wearing a face covering. Subsequent episodes of noncompliance will result in a Student Code of Conduct complaint being filed with the Dean of Students Office, which may result in sanctions being applied. The student will not be able to return to the learning space until the matter is resolved.

Classroom attendance:

- **Main campus students (including Health Sciences) are strongly encouraged to test before returning to Tucson and should continue to test weekly.**
- Notify your instructors if you will be missing an in-person or online course.
- If you feel sick or may have been in contact with someone who is infectious, stay home. Except for seeking medical care, avoid contact with others and do not travel.
- **COVID-19 Exposure Protocol** (<https://covid19.arizona.edu/self-quarantine>):

- University of Arizona students who participate in on-campus activities are required to self-report positive COVID-19 tests and participate in contact tracing. See the protocol (<https://covid19.arizona.edu/positive-case-protocol-students>) for how to report a positive case.
- If you tested positive for COVID-19, here's what to do next: <https://health.arizona.edu/covidpositive>
- [Campus Health](#) is testing for COVID-19. Please call (520) 621-9202 before you visit in person.
- Visit the [UArizona COVID-19](#) page for regular updates.

Academic advising: If you have questions about your academic progress this semester, or your chosen degree program, please note that advisors at the Advising Resource Center can guide you toward university resources to help you succeed.

Life challenges: If you are experiencing unexpected barriers to your success in your courses, please note the Dean of Students Office is a central support resource for all students and may be helpful. The Dean of Students Office can be reached at 520-621-2057 or DOS-deanofstudents@email.arizona.edu.

Physical and mental-health challenges: If you are facing physical or mental health challenges this semester, please note that Campus Health provides quality medical and mental health care. For medical appointments, call (520-621-9202. For After Hours care, call (520) 570-7898. For the Counseling & Psych Services (CAPS) 24/7 hotline, call (520) 621-3334.

Course Objectives

The main objective of the course is to provide students with tools and tips to become an effective science communicator and be able to share scientific concepts & results to the broader science community and the general public.

Expected Learning Outcomes

- Students will build skills on writing scientific publications, including conference abstracts and peer-reviewed publications (both high-impact and specialized journals)
- Students will learn how to effectively present their research work/results scientific conferences and to a general audience.
- Students will gain experience on how to prepare figures for publications/presentations, as well as designing graphics/illustrations to share a general audience
- Students will learn effective ways to share their work on social media platforms.

Equipment and software requirements

For the lectures and activities attended as Live or Asynchronous Online, students will need access to a web-enabled device in order to attend the live Zoom sessions and be able to download the course materials (Zoom recordings and presentation slides). Contact the instructor if you have any question/concern about the required equipment.

Absence and Class Participation Policy

Participating in the course and attending lectures and other course events are vital to the learning process. As such, attendance (through one of the three options: in-person, live online, asynchronous online) is required at all lectures and discussion section meetings. Absences may affect a student's final course grade. The UA's policy concerning Class Attendance, Participation, and Administrative Drops is available at: <http://catalog.arizona.edu/policy/class-attendance-participation-and-administrative-drop>.

If you anticipate being absent, are unexpectedly absent, or are unable to participate in class online activities, please contact me as soon as possible.

Absences pre-approved by the UA Dean of Students (or Dean Designee) will be honored. See: <https://deanofstudents.arizona.edu/absences>.

The UA policy regarding absences for any sincerely held religious belief, observance or practice will be accommodated where reasonable, <http://policy.arizona.edu/human-resources/religious-accommodation-policy>.

Assignments are due at the time of the class on their due dates. Late work will be accepted, although students should expect reduced credit. If a student anticipates an absence on the due date of an assignment, please either turn in your work early or discuss alternative arrangements with the instructor.

To request a disability-related accommodation to this attendance policy, please contact the Disability Resource Center at (520) 621-3268 or drc-info@email.arizona.edu.

If you are experiencing unexpected barriers to your success in your courses, the Dean of Students Office is a central support resource for all students and may be helpful. The Dean of Students Office is located in the Robert L. Nugent Building, room 100, or call 520-621-7057.

Makeup Policy for Students Who Register Late

Late course registrations will be considered on a case-by-case basis. Student who want to register late to the course should email the instructor to discuss potential options (and the timeline) to make up missed assignments/quizzes

Course Communications

Online communication will be conducted through official UA e-mail address and D2L. Students are encouraged to email the instructor about any question and/or concern.

Required Texts or Readings

No required textbook. Reading assignments (including review papers or book chapters) will be posted on D2L as needed.

Tentative Scheduled Topics/Activities

The topic schedule will be discussed on the introduction lecture on January 19, including assignment due dates and exam dates. The workload, topics and course requirements are subject to change at the discretion of the instructor (with proper notice to the student) depending on the COVID-19 pandemic conditions and University decisions regarding in-person and remote teaching.

Assignments and Examinations: Schedule/Due Dates

Each student will choose a research topic to use for the course. The topic can be directly related to their own research projects.

Assignments, term paper and presentations:

Detailed instructions about the assignments will be provided at the beginning of the semester.

Students will also write a one-page MetSoc-style abstract, a short press release (including an illustration/graphic) and give a 15-min talk on the topic that they chose at the beginning of the semester.

All the assignments should be written using letter-size page (1-inch margins), 1.5 spacing and Times New Roman font (or similar) with a 12-pt font size. Abstract-like final paper should follow the template that will be provided.

Final Examination or Project

The final examination is replaced by a term paper and a presentation as described above.

Grading Scale and Policies

Students will be assessed based on:

- Final paper & short press release (due date: April 20)
- Illustration/graphic
- Final presentations: May 4th and 11th
- Homework and readings will be assigned throughout the semester
- Class Participation. For in-person/live online classes: the participation will be judge based on both the class and office hour participation. For asynchronous online: the participation will be judge based on the student participation to office hour participation.

The graded effort for:

- Final abstract-like paper (30%)
- Presentations (30% – 10% short presentations and 20% final presentation)
- Outreach/press release writings (20%)
- Illustration/graphic (10%)
- Class Participation (10%)
- Extra credit (10%): Paper/topic discussion at LPL Journal Club.

Grading Scale for the Course:

A — 90-100%	D — 60-70%
B — 80-90 %	E — 0-60%
C — 70-80%	

Incomplete (I) or Withdrawal (W)

Requests for incomplete (I) or withdrawal (W) must be made in accordance with University policies, which are available at <http://catalog.arizona.edu/policy/grades-and-grading-system#incomplete> and <http://catalog.arizona.edu/policy/grades-and-grading-system#Withdrawal> respectively.

Dispute of Grade Policy

The acceptable time period for disputing a grade on a paper/assignment, presentation, or quiz/exam is maximum a week after the grade has been posted onto D2L. The student must email the instructor to request a Zoom office hour call to discuss the disputed grade.

Classroom Behavior Policy

To foster a positive learning environment, students and instructors have a shared responsibility. We want a safe, welcoming, and inclusive environment where all of us feel comfortable with each other and where we can challenge ourselves to succeed. To that end, our focus is on the tasks at hand and not on extraneous activities (e.g., texting, chatting, reading a newspaper, making phone calls, web surfing, etc.). Please review the UA policy on disruptive behavior: <http://policy.arizona.edu/education-and-student-affairs/disruptive-behavior-instructional-setting>.

Students are asked to refrain from disruptive conversations with people sitting around them during lecture. Students observed engaging in disruptive activity will be asked to cease this behavior. Those who continue to disrupt the class will be asked to leave lecture or discussion (or excluded from the Zoom call) and may be reported to the Dean of Students.

Threatening Behavior Policy

The UA Threatening Behavior by Students Policy prohibits threats of physical harm to any member of the University community, including to oneself. See <http://policy.arizona.edu/education-and-student-affairs/threatening-behavior-students>.

Accessibility and Accommodations

At the University of Arizona, we strive to make learning experiences as accessible as possible. If you anticipate or experience barriers based on disability or pregnancy, please contact the Disability Resource Center (520-621-3268, <https://drc.arizona.edu/>) to establish reasonable accommodations.

Code of Academic Integrity

Students are encouraged to share intellectual views and discuss freely the principles and applications of course materials. However, graded work/exercises must be the product of independent effort unless otherwise instructed. Students are expected to adhere to the UA Code of Academic Integrity as described in the UA General Catalog. See: <http://deanofstudents.arizona.edu/academic-integrity/students/academic-integrity>.

The University Libraries have some excellent tips for avoiding plagiarism, available at <http://new.library.arizona.edu/research/citing/plagiarism>.

Zoom recordings are part of the students' educational record. Selling and/or sharing class notes, ZOOM recordings and/or other course materials to other students or to any third party is not permitted without the instructor's express written consent. Violations to this and other course rules are subject to the Code of Academic Integrity and may result in course sanctions. Additionally, students who use D2L or UA e-mail to sell or buy these copyrighted materials are subject to Code of Conduct Violations for misuse of student e-mail addresses. This conduct may also constitute copyright infringement.

UA Nondiscrimination and Anti-harassment Policy

The University is committed to creating and maintaining an environment free of discrimination; see <http://policy.arizona.edu/human-resources/nondiscrimination-and-anti-harassment-policy>

Our classroom is a place where everyone is encouraged to express well-formed opinions and their reasons for those opinions. We also want to create a tolerant and open environment where such opinions can be expressed without resorting to bullying or discrimination of others.

Additional Resources for Students

UA Academic policies and procedures are available at <http://catalog.arizona.edu/policies>. Student Assistance and Advocacy information is available at <http://deanofstudents.arizona.edu/student-assistance/students/student-assistance>

Confidentiality of Student Records

<http://www.registrar.arizona.edu/personal-information/family-educational-rights-and-privacy-act-1974-ferpa?topic=ferpa>

Subject to Change Statement

Information contained in the course syllabus, other than the grade and absence policy, may be subject to change with advance notice, as deemed appropriate by the instructor.