

PTYS 595B Career Development

Fall 2024

1 Unit

Semester and Year this Document Covers

Fall 2024

Meeting T and/or Th 10-10:50 AM (16 classes total)

Kuiper Building room 309

Course Number and Title

PTTS 595B Career Development (1 credit)

Instructor Information

Alfred McEwen, Regents Professor

Lunar and Planetary Lab, Department of Planetary Sciences

204 Sonett Building

amcewen@arizona.edu

Office hours: after class or make appointment

Course Description

Obtaining a Ph.D. in planetary science is a starting point to one's career that can open many pathways. Many potential career options exist for degree holders in this field, including careers in private industry, national labs, education, public outreach, and academia. This course will help students prepare for successful careers in any of these areas by:

- Developing skills for helping to define and identify potential career paths
- Learning how to create a resume and CV that is appropriate for that path
- Learning how to propose to obtain funding to support one's work
- Developing skills for presenting scientific results to colleagues, the media, and the general public
- Handling obstacles and challenges unique to careers in planetary and Earth science
- Developing the skills to create a positive working environment.

Emphasis will be on topics of interest to this class of students

Course Prerequisites or Co-requisites

None.

Course Format and Teaching Methods

Course Modality – Live in person.

Workload Expectations: Students are expected to attend lectures, participate in discussions and presentations, and complete homework assignments.

Course Objectives

This course will help students prepare for successful careers in science and related fields through lectures, group discussions, and assignments related to writing papers, research proposals at multiple scales, resume and CV writing, alternative job opportunities, scientific publications, communication, and

teaching/mentoring. The course is intended to help PTYS graduate students educate themselves about career options and develop skills needed for success when seeking careers in planetary science and related fields.

Expected Learning Outcomes

After completing this course, all students will be able to:

- understand/identify career options that are available to them
- write a CV or resume specific to the jobs they will apply for
- write a proposal with clearly defined objectives, plan, and budget
- communicate science to the public and to professional audiences
- create a positive work environment and access resources to help achieve work-life balance.

Required Texts and Materials

None.

Schedule of Topics and Activities

TBD, depending on specific interests of the class.

Assessments

Grading for this course will be ABC based on:

Assessment Categories	Percentage of final
Attendance and participation in class	40%
Homework assignments	40%
In-class presentations	20%
Total	100%

Final Examination or Project

None

Grading Scale and Policies

Grades are assigned as follows: A ≥90% B ≥80<90% C <80%

Safety on Campus and in the Classroom

For a list of emergency procedures for all types of incidents, please visit the website of the Critical Incident Response Team (CIRT): <https://cirt.arizona.edu/case-emergency/overview>

Also watch the video available at

https://arizona.sabacloud.com/Saba/Web_spf/NA7P1PRD161/common/learningeventdetail/crtfy0000000000003560

Nondiscrimination and Anti-harassment Policy

The University of Arizona is committed to creating and maintaining an environment free of discrimination. In support of this commitment, the University prohibits discrimination, including harassment and retaliation, based on a protected classification, including race, color, religion, sex, national origin, age, disability, veteran status, sexual orientation, gender identity, or genetic information. For more information, including how to report a concern, please see:

<http://policy.arizona.edu/human-resources/nondiscrimination-and-anti-harassment-policy>

University Policies

All university policies related to a syllabus are available at: <https://catalog.arizona.edu/syllabus-policies>.

Subject to Change Notice

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

Graduate Student Resources

See The University of Arizona's Basic Needs Resources page:
<http://basicneeds.arizona.edu/index.html>