

**Junior Seminar Spring 2022**

**01:750:368**

**Instructor: Jolie A. Cizewski**

<https://rutgers.instructure.com/courses/162381>

**Summary:** This is a one-credit course for current non-professional physics majors, i.e., students not planning PhD studies in Physics or Astrophysics. The purpose is to learn about and prepare for careers after you graduate from Rutgers, including your professional development. Seminar sessions will feature Rutgers alumni guest speakers, workshops on professional development and ethical conduct, and culminate with a short, term paper and oral presentation.

Course meets Mondays 5<sup>th</sup> period 3:50 to 5:10 pm in SEC 220.

First class on Monday, January 24, 2022 will be ONLINE synchronous via zoom on canvas.

**Tentative topics (subject to change)**

<b>Professional Development</b>
Overview of career opportunities for physics & astrophysics majors – you don't need a PhD
Workshop: Fostering an inclusive community in STEM and applications
Workshop: Academic integrity and ethical conduct of research
Workshop: Professional development: Writing resume & CV
Workshop: Professional development: Written presentation skills
Workshop: Professional development: Oral presentation skills
<b>Careers of Rutgers Physics &amp; Astronomy Alumni</b>
Patent law and other professions
Finance and preparing for Wall Street
High school teaching
Careers in industry
Careers in public service
<b>Requirements</b>
Attendance and participation in workshops and interactions with guest speakers.
Term paper based on approved recent Physics Today article
Oral presentation based on term paper