

## ASTR 8500 (O'Connell) Spring 2024

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### POSSIBLE OPTIONAL TOPIC LIST

- a) How to give a bad talk
- b) Social media: good, bad, and ugly
- c) Social networking in science: value, tips
- d) What good is tenure? (tenure vs term contracts, pros & cons)
- e) Navigating group science
- f) Responsibilities of scientists to society
- g) Elements of persuasion
- h) Common mistakes in graduate research projects
- i) Teaching skills to cultivate
- j) Top-10 job-getting skills in astronomy
- k) Help! How do I manage my time?
- l) Paper writing tips
- m) Employment opportunities for PhD's outside astronomy
- n) Professional meetings: strategies and etiquette
- o) Mental health in academia
- p) Data visualization in publications and presentations

- q) How to read a scientific paper
- r) Managing your personal literature library
- s) Public outreach: goals, varieties, effectiveness
- t) P-hacking and other statistical malfeasance
- u) DEI in STEM academia: goals, challenges, effectiveness
- v) Common mistakes in job interviews
- w) Does the ``reproducibility crisis" affect astronomy?
- x) Your own idea here



[Return to home page](#)

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