

# Astro 289 “Adaptive Optics and its Applications” Winter 2016

## Homework 1: Tell me a bit about yourself

*Due Thursday January 14th before class. Please respond regardless of whether you are attending this course for credit or audit.*

From the email address where you check mail most often, please email your responses to me at [max@ucolick.org](mailto:max@ucolick.org)

IN ANY EMAIL COMMUNICATION WITH ME ABOUT THIS CLASS, PLEASE MAKE THE SUBJECT LINE “289” SO IT WON’T GET LOST IN MY IN-BOX. Thanks! Claire

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1) What is your name, university or lab or observatory, year of grad school, and department? What is your preferred nickname?

2) Please write a few sentences describing why you decided to take this class. What do you hope to get out of the course?

3) What areas in your undergraduate, graduate, or research field do you find most interesting (list two or more)? What is it that intrigues you most about these topics?

4) Prior courses in related fields (to help me determine what level to teach this course):

Have you taken any of the following UCSC courses (or their equivalents elsewhere)?

- A math course that included Fourier Transforms
- Astronomy and Astrophysics 257 (Modern Observational Techniques)
- Astronomy and Astrophysics 260 (Instrumentation for Astronomy)
- Physics 110 (Electricity, Magnetism, and Optics)
- Physics 152 (Optoelectronics) or an upper-division undergraduate course in optics
- Electrical Engineering 136 (Engineering Electromagnetics)
- A course in control theory

Please describe other courses you have taken (either undergraduate or graduate) that you think have given you useful experience for this course:

5) Please describe the classes you are taking this quarter (department, official number, and title of class)

6) Have you ever observed the sky through a telescope? Was it an amateur telescope or at an observatory? Please describe your experience.

7) I am planning a lab activity for this course. What experience (if any) have you had in an optics or photonics lab? What would you like to learn from the lab exercises in this course?

8) Please tell me a bit about your long-term hopes & ambitions. For example, what would you like to be doing once you've been out of grad school for, say, 5 or 10 years?

9) What are your favorite non-academic activities? Hobbies? Sports? (Optional)

10) In some courses, the answers to a questionnaire like this are posted in a blog-like setting on the class website, so that students and faculty can get to know each other quickly. It strikes me that this might be particularly helpful here, because we are scattered about in video-land. Would you be agreeable to posting your responses on our internal e-Commons website that only the class can see? If there are subsections that you don't want posted for privacy reasons, which numbers are they? I will add a bit about myself as well.

11) Are you taking this class for audit or for credit?

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