

Astro 18, 2009: HOMEWORK 8 (in two parts)

1) Submit a first draft of your project group's paper. Due Friday, May 29th.

Send via email to Claire (max@ucolick.org) and Stefano (smeschia@ucolick.org).

Please put "Astro 18" in the subject line. This should be in one unified Microsoft Word file (or equivalent software) for each project.

The paper should conform to the following structure:

1. Title page with Title, Authors, and an Abstract (one paragraph describing the topic and summarizing the main results of the project).
2. Introduction, giving the overall context and tying together the individual sections written by each student. The intro should explain how the different sections relate to each other and to the larger scientific topic that your group is addressing.
3. Sections, written by each group member. Indicate clearly the author(s) of each section. Each section should be at least **8 pages** long, and should contain its own introduction and conclusion. Each section should include at least **one equation or quantitative calculation** relevant to your topic. Email Stefano and Claire if you need suggestions on what to include as an appropriate equation/calculation.
4. Discussion and Summary. Briefly recap what you have learned doing your research, how it relates to the overall topic for your group, what issues are still unsolved or unclear, and how to improve our current understanding of the subject.
5. Bibliography. Cite *all* the books, websites, articles that you have used. Reference them throughout your paper to support your statements (the common form in scientific papers is Author's last name, year; e.g. Max & Meschiari, 2009).

The paper should be typeset with double spacing, 12pt size font, 1 inch margins. Please spell and grammar-check your paper thoroughly. Before you submit the paper draft, every member of your group must read the contributions of the others in the group. You can see a sample paper (from previous year when the page limits were different) at <http://www.ucolick.org/~smeschia/ay18/>

2) PowerPoint (or Keynote) presentation draft and dry run, May 26, 27, 28

If you haven't done so already, your group should sign up for one of the time slots on Tuesday May 26th (5-6 pm, ISB 356), Wednesday May 27th (4-5 pm, ISB 165) or Thursday May 28th (4-5 pm, ISB 165) to practice your draft PowerPoint presentation. A signup sheet will be passed around in class. Each person will have about 5 minutes for their talk. Limit to maximum of **5 slides** per person (plus a title slide).

Class Timeline on the second page.

TIMELINE for rest of the quarter

Regular lectures

May 21st and 28th

Working session for projects

Regular class hours, May 26th

(You will work with your project team on the paper, in class. Bring your laptop, books, articles, etc.)

In-class PowerPoint presentations

June 2nd and June 4th, 2-3:45 pm

(Claire and Stefano will post a master schedule of the in-class presentations on the class website. Pizza will be served.)

Final paper due

Monday June 8th

(Submit both hardcopy and as email attachment to Claire & Stefano. Hardcopy should be delivered to Stefano, mailbox in front of ISB 159)

In-class final exam

June 11th, 8-11 a.m., regular room

(A review session will be held beforehand; time & location to be announced)

Final stargazing opportunity will be scheduled for one evening next week (May 25th-29th), to be announced in class.