Announcements

- **Due date for final written project is 5:00 PM on Thursday, May 9.** If I am not in my office when you turn in your paper, simply slide your report under my office door or put it in my mailbox!

- **Final Exam next Thursday.** As stated in the Course Syllabus, the final exam will take place in this class on **Thursday, May 16, from 1:00 PM → 3:00 PM, in Room PA-215 (normal lecture room).** As discussed last week in class, the exam basics are:
  
  - The exam is cumulative, and covers the material from the entire semester. There will, however, be an emphasis placed on material covered *since the midterm exam*.
  
  - Similar to the midterm, the exam will likely consist of multiple choice, short answer, and longer answer (possibly essay) problems.
  
  - You will again have access to a “formulas sheet”, that is being handed out today; any suggestions for additional formulas/constants can be emailed directly to me. All suggestions emailed prior to 9:00 AM Wednesday, May 15, will be considered.
  
  - You need only bring a writing implement (pencil, pen) and a scientific calculator to the exam. All work will be done on the exams themselves.

- **Final Grades.** Final grades will be posted to the SDSU Web Portal *immediately* after they are calculated; this will most likely occur on or about Monday, May 20 (definitely by 11 PM, May 21). I will also be placing a printout of all of your course grades (including the final grade) as well as your full final project evaluation in your mailbox when they are ready. Graded problem sets will be similarly returned as they are completed.

Reading Guide

The final reading assignment concerns our revisitation of galaxies, and scoops up some sections of Chapter 27 in your text, some of which *could* have been assigned somewhat earlier in the course, but the bulk of which concerns the large-scale structure of the universe that is so important, ultimately, to the discussion of baryon acoustic oscillations (a topic not considered by either your textbook nor either of the auxiliary texts), our final topic in cosmology.

1. **Text – Chapter 27, Section 3 (partial): Clusters of Galaxies.**

   Pick up the reading here on page 1064, from “Evidence for the Evolution of Galaxies”, through to the end of the section. The material on the first few pages concerns the hot, intracluster X-ray emitting gas, a topic discussed earlier in the course. Beginning on page 1069 with the subsection, “The Existence of Superclusters”, we move into the material that we briefly considered in the final lecture. The reading here goes into somewhat more detail than we did in class, and you are only specifically responsible for the actual content that we discussed. Most importantly, on page 1078, be sure to review the meaning of the two-point correlation function.

   **Thanks for a great semester!**

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(Isaac Newton and Archangelo Corelli, c. 1690)