Outline - (ALWAYS have an outline!)

- Introduction to C10
- Ice-Breakers
- The role of the GSI
- Responsibilities
- Meeting times
- Pick Sections
- TALC Assignments
- bSpace and the EBRB
- Your First Section
- What to do NOW
What is C10?

* “Astronomy for Poets”
* One of the most popular classes (>700 students)
* For many students, the last science class they will ever take
* A setting where you can focus on teaching rather than understanding concepts
* A good time!
Leader(s?)

Alex Filippenko

Head GSI: Aaron Lee
Ice - Breakers

* Name

* Year / Department

* Have you ever taught before? (Not just as a TA)

* Recall your past TA/GSIs. What is one aspect you DISLIKED? How could it have been improved?
The Role of the GSI

* Hold sections to reinforce the lectures
* Clarify material that did not come across correctly in the lectures
* Assist students in peer-learning strategies
* Run night events and chaperone trips
* Proctor exams
* Write and grade two quizzes.
* Assist in grading midterms and the final exam (involves pizza!)
# Hours

<table>
<thead>
<tr>
<th>20% UGSIs</th>
<th>25% GSIs</th>
<th>50% GSIs</th>
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</thead>
<tbody>
<tr>
<td><strong>2.5 hours - lecture / section prep</strong></td>
<td><strong>2.5 hours - lecture</strong></td>
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<tr>
<td><strong>1.0 hour - weekly meeting</strong></td>
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<tr>
<td><strong>2.0 hours - sections</strong></td>
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<tr>
<td><strong>2.0 hours - TALC / OH</strong></td>
<td><strong>2.0 hours - TALC / OH</strong></td>
<td><strong>4.0 hours - TALC / OH</strong></td>
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<tr>
<td><strong>0.5 hours - E-mails and Grades</strong></td>
<td><strong>0.5 hours - Star Parties / Reviews</strong></td>
<td><strong>2.0 hours - section prep</strong></td>
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Sections

- 50 minutes of whatever you want to talk about!
- Meant to encourage discussion and analysis—simple group work is best, NOT lengthy math problems
- Demos and demonstrations encouraged
- NOT a Q&A about the HW—that is for OH and TALC
- Prepare AHEAD of time! Your students will get out what you put into it
Quizzes

* You will write and administer two quizzes in your sections (about 20 min. each)
* You will draft them and get them approved by me
* You will have to grade these by hand
* (To be discussed more later) To be systematic across sections, you will aim for a mean score of 35/50. High and low achieving sections will be adjusted if necessary.
Office Hours / TALC

* Hold at least two hours of either office hours or TALC (The Astronomy Learning Center)

* TALC is a group office hours -- Rules:
  * GSIs do not give out answers
  * GSIs will not look at your paper
  * Students who work on the board will get priority assistance
  * HW is written up independently
  * TAX: If you get help on a problem, you have to help the next student with that problem
  * Talk with each other, not the GSI
  * Always pour salt in your eyes
Review Sessions

* Before each midterm and the final exam. Sessions are two hours long with two GSIs / hour. General Q&A in a larger lecture hall
* UGSIs exempt unless needed
* Everyone will participate at least once this semester
Star Parties

* Host 2-hour (or longer during certain times) star parties during the semester. See Alex’s E-mail

* Thea will be the Star Party aficionado. She and I will coordinate telescope training soon.
Meeting Times

* Weekly MANDATORY meetings: Friday 1 pm - 2 pm?
* Tomorrow with Alex: Sometime between 10 am and 4 pm?
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Let’s Pick Sections

* Write what you CAN do first (on the section board)

* Radiation (Ay201) Tu/Th 12:30 - 2
  - Galaxies (Ay218) Tu/Th 9:30 - 11
  - Star Formation (Ay250) Tu/Th 2 - 3:30
  - Rocky Planets (Ay250) M 12 - 2 (2:30?)
  - Intro to Research (Ay290) Tu 4 - 5
  - Ay300 M 5 - 7
Let’s Pick TALC

* TALC WILL meet this week (General math review -- I will E-mail you a sheet)

* Two GSIs / hour

  * Wednesday 7 - 8 pm, 8 - 9 pm

  * Thursday 6 - 7 pm, 7 - 8 pm, 8 - 9 pm
bSpace, EBRB, C(10)ite

* Use them! Encourage students to use bSpace.
* Goal: Try to come up with a creative new way to utilize bSpace
* Messages vs. Announcements? Let’s experiment!
* Our website is a work in progress. Let’s come up with ideas of how to improve the EBRB (with feedback?, concept discussions?)
* Utilize the resources available
Your First Section (handouts)

* Things to mention:
  * You will be taking attendance for the first three weeks. For section swapping, priority goes to those enrolled and/or are showing up.
  * Explain TALC, OH, SP, E-mail, Webcasts, Quizzes and Tests. Be sure to define these terms.
  * Last day to switch sections is Sept. 11
  * (Josh has a great page on the Wiki. I’ll link to it on our site.)
  * Ice-breakers are nice to get people talk and up.
  * Use outlines, note cards and flashy demos.
  * Set standards and stick to them.
  * Get the students out of their seats!
  * Start learning names (I can give you roster photos eventually)
First Section Ideas

* See Josh’s Ay300 Wiki.....
  * Horoscope Debunking
  * Misconceptions in Astronomy
  * Brief overview of the course
  * History of the Universe timeline
  * Size of the Solar System bodies (Scale Models)
  * Distances in the Solar System (Scale Models)
  * “Calendar” of History
Things to keep in mind

* Attend lecture regularly -- seriously. Bring something to do; you don’t need to pay attention.
* Think about your teaching philosophy: What do you want the kids to get out of your section?
* Cheating policy: I will post on our website.
* Use bSpace or your own website to keep materials for the class. Give additional material for the eager minds.
* Access to Evans (Code: 1944#) ; Copy Code: 98765
What to do NOW

* Update bSpace resources with OH times, TALC times, Section times, etc.

* Start thinking about sections.

* Show up for our meeting with Alex tomorrow at ________

* Considering E-mailing your section soon and introducing yourself