

**New Short Course: "The Distant Universe"**  
*Anne Metevier, Postdoctoral Researcher, UCSC*  
February 9, 2004

**Present:** Mark Ammons, Charlene Frontiera, Lisa Hunter, Patrik Jonsson, David Le Mignant, Jennifer Lotz, Malika Moutawakkil, Andy Newton, Hilary O'Bryan, Lynne Raschke, Scott Seagroves, Scott Severson

AGENDA

1. PowerPoint Presentation
2. General Discussion Questions
3. Logistics

NOTES

1. PowerPoint Presentation
  - Anne presented her PowerPoint. (posted at: <http://cfao.ucolick.org/EO/meetings/past.php>)
2. General Discussion Questions
  - Lick Observatory Field Trip
    - o The trip to Lick is important.
    - o Maybe do it on Friday, so they can sleep in the next day. Is that a public night?
    - o Can also do a trip to Fremont Peak Observatory.
    - o Do a content activity at the Observatory?
  - Lectures
    - o Instead of plain lectures, try out active lecture techniques. Gives them a chance to discuss science and get to know each other.
    - o Tour of the Universe is important.
  - Guided Activities
    - o Can see which activities from the new Astro Lab at Hartnell work well.
    - o Patrik and Scott Seagroves mentioned a spectrum activity. Can help students make a connection between actual spectra and the way we plot spectra.
  - Inquiry
    - o Anne and Andy will talk to Lynne about her experience with COSMOS and spectroscopy. It is hard to do investigations on spectroscopy appropriate for inquiry.
    - o Good idea to do spectroscopy early to challenge the students and have opportunities to bring it up again throughout the week.
    - o Inquiry involving Doppler Shifts?
    - o Could do an inquiry that relates to Anne's work. Give students lots of data and have them ask questions, look for relationships, etc. Gives a good idea of what grad students do. \*Good for AOSC also\*
    - o 2<sup>nd</sup> day is a good day to do inquiry. Know students a little better.
  - Career Talks

- o Can have career talks before lunch and have the presenter stay for lunch.
  - o Malika can also give “college brick road” presentation.
  - Other
    - o Schedule in lots of time for breaks and lunch. Encourage the group to stay together for lunch, may organize food for students.
    - o Content overlap with Mainland Short Course isn’t a big deal.
3. Logistics
- Dates
    - o Possibly June 14 –18, maybe into the next week, if you want to have a weekend in between. Might be better to have it be 5 days in a row. Will look into Lick schedule.
    - o Hartnell ends on June 4.
  - Classroom
    - o Charlene will reserve M8 for June 7 – 18.
  - Field Trips
    - o Can rent vans.
    - o Students are not required to go on trips. Can’t tell them how to get there or when to be there.
    - o Charlene will talk to the business office about insurance.
  - Food
    - o Need to decide what meals we will provide and let the students know ahead of time.
  - Students
    - o Would like 15 students, 10 minimum.
    - o Target Hartnell students for the first short course.
  - Recruiting
    - o Primary target will be Hartnell students. High school teachers can hand pick a few students.
    - o Andy will fax Malika the interest sheets.
  - “Application” Process
    - o Students will fill out “Request for Special Projects” form.
    - o Form is due 3/15. We will extend the deadline for internship applicants.
    - o “Request for Special Projects” Form
      - Ask “Why they want to participate”
      - GPA, Major
      - Include notification date, # of units, “can only accommodate 15 students”, “approval based on information provided”, “area experts will review the requests” and discrimination clause.
    - o Anne, Andy and Lisa or Malika will review the applications.
    - o Waitlist will have ~ 8 students.
  - Stipend
    - o Can use the stipend money for amenities/food instead.
    - o Can use the money to buy books that the students can borrow and then have the option to buy. Can also give them books?
  - Other

- o Malika would like Andy's high school contacts to use for Leading with Research.