

**AOSC Content Meeting  
January 14, 2004**

**Present:** Sarah Anderson, Lisa Hunter, Gale Kihoi, David Le Mignant, Malika Moutawakkil, Hilary O'Bryan

**AGENDA**

1. Lisa to present two documents:
2. Feedback on general structure of goals
3. Focus on a few areas
4. Next steps
5. Observatory short course document for possible hosts.

**1. LISA PRESENTED TWO DOCUMENTS:**

**“Ideal Program Experience CfAO Undergraduate Internship Program” (draft 1/12/04)**

Group reviewed the document as Lisa presented it. The following feedback was recorded (organized by the numbers of the items on the document).

**Program Phases**

1. Preparation for program....
  - This will be happening in the Spring of the academic year.
  - To make this step successful, one must have realistic goals in terms of reading material. Suggestion made to make the reading more directed, project supervisor could present specific questions to the student. CfAO support staff could facilitate more interaction between mentor/research supervisor and intern before the summer starts.
4. Symposium
  - Dates for the symposium for AOSC possibilities at the end or beginning of AMOS on the Big Island. Also can arrange to have students give an initial presentation at their site directly after internship ends. Can't do group symposium directly after internship because on the Big Island, each internship is a different duration (ie:6-12 weeks).

**Overall Outcomes**

Add “ability to work autonomously” to skills portion.

1. Skills
  - a define research problem-solving skills
  - a & c may be the same?
  - f. value of network and research/engineering environment, how to write and abstract, make a poster, present, etc.
2. Knowledge
  - For AOSC, replace b. with “understanding of observatories” or “astronomy.”
3. Attitude
  - a & e could be combined
4. Resources and Tools

- This would be a good topic for an entire education meeting to discuss how to do this kind of mentoring as a research supervisor, PI, or staff member for students at all levels.
- 4e. Academic and professional plan

General comments about “Ideal Program Experience” document

- “Research” should include engineering as well. Need to work on how to word that throughout the document.
- Need example for each outcome.
- This would be a great document to show students, research supervisors, PI’s and educators
- Add “have fun” to outcomes

### **Review of “AOSC Goals” document (draft 1/12/04)**

General comments on document:

- Keep in mind, what can we reasonably expect in five days?
- What does it mean to cover and “in depth conceptual understanding of \_\_\_\_\_”
- Need an extra hour for students to speak with their mentor/research supervisor.
- Give students more resources and tools to starting their project during the short course and before.

#### 1. Knowledge

- In depth understanding....real idea is to learn process skills that one goes thru to solve a question/problem. Related to inquiry.
- Need to include “what is exciting about astronomy and observatories?  
“How does the technology that observatories have support astronomy and how do we use technology to do science?”
- Show them the big picture

Short on time. Group agreed to give personal written feedback to Lisa by email.

Review of AOSC Handout:

- Hand out for observatories.
- Group gave feedback to Malika and changes will be emailed out shortly.
- Need handout by Wednesday or Thursday for Sarah and David to present at Keck
- Malika will fix wording on handout and David and Sarah to look for pictures.

\*\*\*Next meeting proposed for Tuesday Jan. 20<sup>th</sup> 1:30pm PST (however, already heard from Claire that she can’t make it at that time. Keep an eye on email for new scheduling\*\*\*