

# Mainland Internship Short Course Schedule

## Instructor Version

Final - last updated 06/19/04

Red = person in charge of activity \*note that all instructors are expected to be at all the events regardless of discipline

Blue = notes for short course staff/instructors (not part of schedule)

### Day 0: Sunday, June 20

6:00 Students arrive by 6:00pm and check into dorms  
6:00-6:30 Welcome & Icebreaker – **Lisa, Malika and instructors** (CfAO Building)  
6:30 Dinner – (Pizza) CfAO building

### Day 1: Monday, June 21

7:30 -- 8:30 Breakfast at Crown/Merrill Dining Center  
9:00 – 10:40 Program overviews: (CfAO Conference Room)  
CfAO overview - **Lisa**  
Intern program overview – **Malika**  
Orientation goals – **Lynne**  
Ice breaker - **Adam**  
10:40 – 10:45 Break  
10:45 – 11:45 Introduction to AO (CfAO CR) – **Shelley and Lynne**  
12:15 – 1:15 Lunch at Crown/Merrill Dining Center  
1:30 – 3:20 Basics of Optics (Thimann 121) – **Lynne**  
3:20 – 3:30 Break  
3:30 – 5:45 Heliostat activity (Thimann 121) – **Shelley and Adam**  
6:00 Dinner at Crown/Merrill Dining Center  
Evening Free time or movie night

### Day 2: Tuesday, June 22

7:30 – 8:00 Breakfast at Crown/Merrill Dining Center  
8:30 – 10:00 Optics of the eye talk (ISB 102) – **Joy**  
10:00 – 10:50 Optics of the eye demonstration and student interaction (ISB 102) -- **Joy**  
10:50 – 11:05 Break  
11:05 – 12:30 Astronomy Talk: Overview of the Universe? (ISB 102) -- **Lynne, Shelley and Adam**  
12:30 – 1:15 Box Lunch – **Fajitas Cater (ISB 102) CfAO???**  
1:30 – 2:00 Telescopes of the World (ISB 102) -- **Adam**  
2:00 – 2:30 Prepare to go to Lick Observatory  
2:30 Depart from dorms for Lick  
Evening Lick tour – Picnic Dinner (sandwiches)

### Day 3: Wednesday, June 23

Morning sleep in  
10:00 – 10:30 breakfast at CfAO  
10:30 – 11:00 Follow your college brick road (CfAO CR) -- **Malika**  
11:00 – 12:20 Research Practices Discussion (CfAO Interaction Area?) -- **Lisa and Malika**

12:20 – 12:30 Break into groups for informal project discussions over lunch  
12:30 – 1:30 Lunch at Crown/Merrill Dining Center  
1:30 – 2:30 Continue small group project discussions  
2:30 – 2:45 Break  
2:45 – 5:30 Bovine eye dissection (Thimann 121) – Joy and Seth  
6:00 Dinner at Crown/Merrill Dining Center  
evening Free time, movies, games etc. – WHO AND WHERE??

#### **Day 4: Thursday, June 24**

7:30 – 8:30 Breakfast at Crown/Merrill Dining Center  
8:30 – 10:30 Engineering Wavefront Sensor Activity (Thimann 121) – Julianna and Kerry (Julia helping to plan)  
10:30 – 10:45 Break  
10:45 – 11:30 Engineering Wavefront Sensor Activity Continued  
11:30 – 12:45 Pack out lunch at CfAO (Lasagna)  
1:00 – 3:00 Vision Science Wavefront Sensor talk and Activity (ISB 102) – Joy, Julianna and Seth  
3:00 – 3:10 Break  
3:10 – 5:45 Inquiry Starter (Thimann 121) – Lynne will intro the inquiry and be the floater; Adam, Shelley, Julianna and Seth to facilitate  
    3:10 – 3:25 Intro to Inquiry  
    3:25 – 4:25 Starters (non-facilitators will sort questions during the starters)  
    4:25 – 4:40 Break to finish sorting questions and to post them  
    4:40 – 4:55 Intro to Gallery Walk  
    4:55 – 5:45 Gallery Walk, group formation and begin investigation  
6:00 Dinner at Crown/Merrill Dining Center  
Evening free time, movies, games etc.

#### **Day 5: Friday, June 25**

7:30 – 8:00 Breakfast at Crown/Merrill Dining Center  
8:15 – 11:30 Inquiry (Thimann 121) – Continued  
    8:15 – 8:45 Thinking tool: Fiber Fed Spectrograph (plus slop time)  
    8:45 – 10:00 Investigation  
    10:00 – 10:15 Presentation preparation  
    10:15 – 11:00 Presentations  
    11:00 – 11:30 Synthesis  
11:30 – 12:00 Box Lunch, finish synthesis while they start eating, if necessary. (During morning non-facilitators will need to get lunches and vehicles over to the lab building so we're ready to eat and leave for the Exploratorium straight from the Inquiry.)  
12:00 Leave for Exploratorium from Thimann Lab  
TBD Tour starts at Exploratorium (Tour usually starts around 2:00 or 2:30pm. That gives enough time for the tour and free time. Need to get in touch with Paul Dougherty.)  
Evening Dinner in SF at La Barca (Stop at Golden Gate Bridge/Park beforehand.)

**Day 6: Saturday, June 26**

7:30 – 8:30 Breakfast at Crown/Merrill Dining Center  
9:00 – 10:30 Retinal Anatomy Inquiry (ISB 102) – Joy, Seth and Julianna  
10:30 – 10:45 Break  
10:45 – 12:00 Retinal Anatomy Inquiry Continued  
12:00 – 1:00 Lunch at CfAO (Pack out or Cater)  
1:15 – 2:15 Past Intern Panel (ISB 102 or CfAO CR?)  
2:15 – 2:45 Discussion about SACNAS and other conferences – Lisa  
2:45 – 3:00 Break  
3:00 – 4:45 Research Practices Activity (CfAO CR and Interaction Area) – Lynne  
4:45 – 5:15 Wrap up and final thoughts – Lisa and instructors  
5:15 – 5:45 Evaluations -- Lisa and instructors  
5:30 – 6:00 Get ready to go to dinner  
Dinner in SC – leave from dorms  
Evening Boardwalk  
Before bed Pick up breakfast from instructors' rooms for morning flights to internship sites (Put breakfast supplies in a place that interns can get to.)

**Day 7: Sunday, June 27**

Various times Students depart for research sites  
TBD Instructors have breakfast together and debrief