

**AstroTech Development Workshop Agenda: instructor prep****Day 1: Monday, July 15, 2019**

<b>Time</b>	<b>Participants</b>	<b>Session</b>	<b>Location</b>
	All	<b>Breakfast on own</b>	
10:30-11:00	Developers & future instructors	<b>Workshop Check-In</b> Participants pick up workshop materials	Campbell 121
11:00-11:15	All	<b>Welcome &amp; Opening Remarks</b>	Campbell 121
11:15-11:30	All	<b>Overview of Workshop Agenda and Participant Roles</b>	Campbell 121
11:30-12:00	Developers & future instructors	<b>Developing AstroTech: Key Areas and Goals for Workshop</b>	Campbell 121
12:00-1:00	All	<b>Lunch</b>	Campbell 6th floor, 625
1:00-3:00	Developers & future instructors	<b>Activity teams prep individual labs</b>	Lab 219
1:00-3:00	Developers & future instructors	<b>Working groups on subset of key areas</b>	Campbell 121
3:00-3:30		<b>Break</b>	
3:30-5:00	Developers & future instructors	<b>Activity teams prep individual labs</b>	Lab 219
3:30-5:00	Developers & future instructors	<b>Working groups on subset of key areas</b>	Campbell 121
	All	<b>Dinner on own</b>	

## AstroTech Development Workshop Agenda: instructor prep

**Day 2: Tuesday, July 16, 2019**

Time	Participants	Session	Location
	All	<b>Breakfast on own</b>	
8:45-9:00	Developers & future instructors	<b>Workshop Check-In</b> Participants arriving Tuesday pick up workshop materials	Campbell 131
9:00-9:15	Developers & future instructors (arriving today)	<b>AstroTech Background, Goals, and Development Workshop structure</b>	Campbell 131
9:15-9:45	Developers & future instructors (arriving today)	<b>Developing AstroTech: Key Areas and Goals for Workshop</b> Update from Monday's work and highlight today's areas of focus, especially for instructors newly arrived. Check who will be participating in working groups this morning/afternoon, vs. running or prepping lab activities.	Campbell 131
9:45-10:30	Developers & future instructors	<b>Small groups debrief in parallel:</b> - Introduction to Build-Your-Own Spectrograph - Lab Ground Rules + Optics and Spectrograph Lab - Collaboration/Teamwork Session	Campbell 131
10:30-10:45	Developers & future instructors	<b>Break</b>	
10:45-11:45	BYOS & Integration/Testing teams	<b>Activity teams prep individual labs</b> - BYO Spectrograph - Integration and Testing	Lab 225
10:45-11:45	Developers & future instructors	<b>Working groups on subset of key areas</b>	Campbell 131
11:45-12:45	All	<b>Lunch</b>	Campbell 6th floor, 625
12:45-2:00	Developers & future instructors	<b>Materials and Plan for 2020 Optics and Spectrograph Lab</b>	Lab 225 or Campbell 131
12:45-2:00	Developers & future instructors	<b>Prep for Wednesday</b> - Career pathways activity - Working groups	Campbell 131
2:00-2:20	Developers & future instructors	<b>Break</b>	
2:20-3:50	Grating Design team	<b>Debrief Grating Design Lab and preliminary plan for 2020</b>	Lab 219
2:20-3:50	Developers & future instructors	<b>Working groups on subset of key areas</b>	Campbell 131
3:50-4:00	All	<b>Break</b>	
4:00-5:00	All	<b>Power and Money in Astronomy</b> Erika Hamden, University of Arizona	Campbell 131
	All	<b>Dinner on own</b>	

## AstroTech Development Workshop Agenda: instructor prep

**Day 3: Wednesday, July 17, 2019**

Time	Participants	Session	Location
	All	<b>Breakfast on own</b>	
9:00-9:45	All	<b>Overview of AstroTech</b> Needs, goals, overall timeline and how AstroTech could evolve	Campbell 131
9:45-10:30	Developers & future instructors	<b>Instrumentation careers</b> Define instrumentation careers, career progressions; present what we've done so far and add to it	Campbell 131
10:30-10:45	All	<b>Break</b>	
10:45-11:45	All	<b>Career Pathways</b> Student participants interview instructor participants and guests on their career experiences and strategies for succeeding in instrumentation	Campbell 131 + Campbell 121
11:45-12:30	Developers & future instructors	<b>Metrics of success</b> How we will evaluate success of AstroTech (what we will track, etc.); present what we have so far and add to it	Campbell 131
12:30-1:30	All	<b>Lunch</b>	Campbell 6th floor, 625
1:30-3:00	Developers & future instructors	<b>Supporting STEM Identity / using research to inform development of AstroTech</b> Discuss short reading on identity development, and then the ways that instructors can apply it to AstroTech activities	Campbell 131
3:00-3:20	Developers & future instructors	<b>Break</b>	
3:20-4:00	Developers & future instructors	<b>Learning outcomes of AstroTech</b> Scientific, technical and professional outcomes we hope to achieve; present as a guideline and something we'll continue to revise	Campbell 131
4:00-4:30	Developers & future instructors	<b>Draft plan for AstroTech 2020 workshop</b> Current draft of what we envision for the 2020 workshop, input based on activities so far this week	Campbell 131
4:30-4:45	Developers & future instructors	<b>Break</b>	
4:45-5:45	Developers & future instructors	<b>Launching AstroTech 2020</b> Announcing, recruiting, application, selection, etc.	Campbell 131
	All	<b>Dinner on own</b>	

## AstroTech Development Workshop Agenda: instructor prep

### Day 4: Thursday, July 18, 2019

Time	Participants	Session	Location
	All	<b>Breakfast on own</b>	
9:15-10:00	Developers & future instructors	<b>Review status of key areas/goals, and determine working groups</b>	Campbell 131
10:00-11:00	Developers & future instructors	<b>Working groups</b>	Campbell 131
11:00-11:15		<b>Break</b>	
11:15-12:30	Developers & future instructors	<b>Working groups share-out and feedback</b> Form new groups or revise focus as needed	Campbell 131
12:30 - 1:30	All	<b>Lunch</b>	Campbell 6th floor, 625
1:30-2:30	Developers & future instructors	<b>Working groups</b>	Campbell 131
2:30-3:25	Developers & future instructors	<b>Working groups share-out and feedback</b>	Campbell 131
3:25-3:45	All	<b>Break</b>	
3:45-4:30	All	<b>Instrument tour and synthesis</b>	Lab 219 + Lab 225 + Campbell 131
4:30-5:00	Developers & future instructors	<b>Break</b> (parallel to final debrief with test pilots)	
5:00-5:30	Developers & future instructors	<b>Wrap-up</b> Identify the most pressing action items to follow up after meeting	Campbell 131
	All	<b>Dinner on own</b>	

### Day 5: Friday, July 19, 2019

Time	Participants	Session	Location
9:00-12:00	Developers & future instructors	Sessions for instructors/developers staying Friday will be determined during the workshop	