

Astronomy Camp

Sunday, July 12

- 2:00-4:00 pm Campers Arrive and Check-in
Neihardt Residence Hall
- 4:00-5:00 pm Camp Orientation – Introduction, Schedule, Regulations
Brace 201
- 5:30 pm Dining hall open for dinner
Cather-Pound-Neihardt Dining Hall
- 7:00-11:00 pm Constellations Planetarium show and Student Observatory (if clear)
Morill Hall/Parking Garage

Monday, July 13

- 7:30 am Dining hall open for breakfast
Cather-Pound-Neihardt Dining Hall
- 9:00-11:00 am Lecture #1: Scale
Brace 201
- 11:00 am -12:00 pm Lab #1: Building a Celestial Sphere
Brace 201
- 12:00 -1:00 pm Lunch
Cather-Pound-Neihardt Dining Hall
- 1:00-4:00 pm Lecture #2: Celestial Sphere
Brace 201
- 4:00 pm Free Time
- 5:30 pm Dining hall open for dinner
Cather-Pound-Neihardt Dining Hall
- 7:30-8:15 pm Meet the Scientist: Christian Binek
Brace 201

8:30 pm Observing Groups/Full Dome Show
Brace 201/Morrill Hall

Tuesday, July 14

7:30 am Dining hall open for breakfast
Cather-Pound-Neihardt Dining Hall

9:00-11:00 am Lecture #3: Horizon Coordinate System
Brace 201

11:00 am-12:00 pm Lab #2: Building an Altitude Marker
Brace 201

12:00-1:00 pm Lunch
Cather-Pound-Neihardt Dining Hall

1:00-2:15pm Lecture #4: Paths of the Sun
Brace 201

2:30-4:00pm Stellarium Lab
Brace 201

4:00 pm Free Time

5:30 pm Dining hall open for dinner
Cather-Pound-Neihardt Dining Hall

7:30-8:15 pm Meet the Scientist: Dan Claes
Brace 201

8:30 pm Observing Groups/Lab Activity (Bending of Light)
Brace 201

Wednesday, July 15

7:30 am Dining hall open for breakfast
Cather-Pound-Neihardt Dining Hall

9:00-10:30 am Lecture #5: Copernicus, Kepler, Tycho Brahe Film
Brace 201

10:30 am-12:00 pm Lab #3: NAAP - Solar System Models
Brace 201

12:00-1:00 pm	Lunch <i>Cather-Pound-Neihardt Dining Hall</i>
1:00-2:00 pm	Planetarium – Coordinates and Motion <i>Morrill Hall</i>
2:00-3:30 pm	Computer Lab #1: SS Models <i>Brace 201</i>
3:30 pm	Free time
5:30 pm	Dining hall open for dinner <i>Cather-Pound-Neihardt Dining Hall</i>
7:30-8:15 pm	Meet the Scientist <i>Brace 201</i>
8:30 pm	Observing Groups/Lab Activity (Geometrical Optics)

Thursday, July 16

7:30 am	Dining hall open for breakfast <i>Cather-Pound-Neihardt Dining Hall</i>
9:00-10:30 am	Lecture #6: Light and Telescopes <i>Brace 201</i>
10:30 am-12:00 pm	Lab #4: Build your own telescope <i>Brace 201</i>
12:00-1:00 pm	Lunch <i>Cather-Pound-Neihardt Dining Hall</i>
1:00-2:30 pm	Lecture #7: Modern Telescopes <i>Brace 201</i>
2:30-4:00 pm	Physics Lab Tours <i>Brace 201</i>
4:00 pm	Free Time
5:30 pm	Dining hall open for dinner <i>Cather-Pound-Neihardt Dining Hall</i>
7:30-8:15 pm	Meet the Scientist: Ed Schmidt <i>Brace 201</i>

8:30 pm Observing Groups/Lab Activity: What else does light do?

Friday, July 17

7:30 am Dining hall open for breakfast
Cather-Pound-Neihardt Dining Hall

9:00-10:30 am Lecture #8: Atomic Orbitals and Types of Spectra
Brace 201

10:30 am-12:00 pm Lab #5: Building a Spectrometer
Brace 201

12:00-1:00 pm Lunch
Cather-Pound-Neihardt Dining Hall

1:00-2:30 pm Lecture #9: Light and Matter, Spectral Lines, Types of Spectra, Minnich Telescope
Brace 201

2:30-4:00 pm Computer Lab #2: NAAP – Hydrogen Atom
Brace 201

4:00 pm Free Time

6:00 pm Pizza Party
Brace 201

7:30-8:15 pm Meet the Scientist: Kevin Lee, Astronomy Education
Brace 201

8:30 pm Observing Groups/Project Preparation/Movie Night
Brace 201/Ferg 217

Saturday, July 18

9:00-10:30 am Continental Breakfast/Camp Culmination, Evaluation Surveys
Ferguson 217

10:30 am-12:00 pm Family Tours: Student Observatory, Solar Telescope
Ferguson 217