This calendar will be in flux over the course of the program. The most current calendar is available via the link at the bottom of the REU student webpage: http://www.ctio.noao.edu/noao/content/REU-Program

Note that as REU/PIA student you are expected to work 80 hours every two week pay period, or ~8 hours a day.

Week 1:
* MCR=Main Conference Room, ALH=AURA Lecture Hall, LIB=Library Extension

➢ Saturday, January 11th
→ 13:50, Students+Katie arrive in La Serena

➢ Sunday, January 12th
→ 18:00-21:00, Welcome BBQ/Potluck at Casa 8
  • Meet at Casa 13 to walk over to Casa 8 together

➢ Monday, January 13th
→ 09:00, Testing computer accounts and office keys in Student Office
  • Meet at Casa 13 to walk over to Student Office together
→ 10:00-13:00, Begin work on research project (this is a good time to meet with your mentor or start work your mentor left for you)
→ 15:00-16:00, Tour of La Serena Facilities by Tim Abbott
  • Meet in student office

➢ Tuesday, January 14th
→ 12:00-13:00, Computing at CTIO by Jim Hughes (MCR)
→ 16:00-19:00, (Optional) Walk to Entel store to get cell phones for students who want them, head to Jumbo grocery store after

➢ Wednesday, January 15th
→ 10:00-11:00, Welcome to CTIO by Nicole van der Bliek (LIB)

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→ 11:00-12:00, Human Resources Meeting with Rosario Penafiel and Enrique Artigas (MCR)

➢ Thursday, January 16th
→ 15:00-16:00, Safety Orientation by Mariela Silva (ALH, meet in Student Office to walk over together)
→ 16:30-18:30 First Weekly Student Research Meeting (ALH)

➢ Friday, January 17th
→ 10:30-23:30, Tours of Tololo and Pachon with Harvard-CMM group (Meet in Student Office)
  ◦ 10:30 Gather and depart to Cerro Tololo with Harvard-CMM students, professors, Gemini students (2), K. Kaleida and C. Smith.
  ◦ 12:30 Arrival Cerro Tololo. Small break
  ◦ 13:00 Lunch in Tololo
  ◦ 14:30 Tour Tololo
  ◦ 16:00 To Cerro Pachon
  ◦ 16:15 Tour SOAR
  ◦ 17:30 Dinner at Pachon
  ◦ 18:45 Tour Gemini with Tom Hayward
  ◦ 20:00 Group exit the Gemini building and wait outside
  ◦ 22:00 Laser propagation and Down to La Serena

➢ Sunday, January 19th
→ 13:00, Catered BBQ at Casa 8 with Harvard-CMM group

➢ Monday, January 20-Tuesday, January 21
Voluntary participation in an outreach event at Punta de Choros and visit to Isla Damas. Pack light but bring your own drinking water, sunglasses, sunscreen, and a few snacks. Bring your tent and sleeping bag if you have them, otherwise I will find one for you to borrow. There may be an opportunity to spend some time on the beach, so you may want to bring your swimsuit and a towel.

- **Monday, January 20**
  - 11:30, Leave La Serena for Punta de Choros (meet in student office), Transport CLP$4500 per person one way
  - 14:00, Arrive at Cabañas y Camping Memo Ruz next to Caleta San Agustin in Punta de Choros, set up tents and eat in nearby restaurants for lunch and dinner.
  - 20:00, Public Observing (help with telescopes!) in Caleta San Agustín in Punta Choros

- **Tuesday, January 21**
  - ~09:00, Leave camping for boat dock.
  - ~11:00, Isla Damas boat tour ~3 hours ~CLP$12500
  - ~13:00, Lunch ~CLP$6000
  - 15:30, Transport back to La Serena, CLP$4500 per person one way

- **Wednesday, January 22nd**
  - 11:00-12:00, Student Introductions at Gemini Science Coffee (Casa 8)
  - 14:00-15:00, IMPORTANT! Human Resources/Anti-Harassment Training meeting with Neil Barker and Rosario Penafiel (MCR)

- **Friday, January 24th**
  - 11:00-12:00, Student Introductions at Science Tea (LIB)

Weekly meetings (to happen every week from Jan. 20-March 14):

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➢ Tuesdays, 12:00-13:00, **REU/PIA Weekly Student Seminar Series** (MCR)

➢ Wednesdays (except Feb.5), 11:00-12:00, Gemini Science Coffee (Casa 8)

➢ Thursdays, 15:30-17:30, **REU/PIA Weekly Student Research Meeting** (MCR)

➢ Fridays, 11:00-12:00, CTIO Science Tea (LIB)

➢ **Friday, January 31**
  → 10:00-11:00, Additional REU/PIA Student Seminar: “Telescope Designs” with Dr. David James (MCR)
  → Individual progress meetings with Katie Kaleida (Office #6, in hall across from Ximena and Mario's offices)

➢ **Feb. 3-10 REU/PIA Student Observing Run**

➢ **Feb. 17-21 Dr. Isabel Hawkins to visit REU/PIA Program**
  Note that the schedule this week is different than usual!

➢ **Monday, February 17th**
  → 11:00-12:00, Gemini Student Final Presentations (ALH)
  → 12:00-12:30, Meet-and-Greet with Dr. Isabel Hawkins (LIB)
  → 15:45-18:00, Individual meetings with Dr. Isabel Hawkins (Office#6)
    ✦ 15:45-16:00, Margot Paez (REU)
    ✦ 16:00-16:15, Joshua Frechem (REU)
    ✦ 16:15-16:30, Shane Loeffler (REU)
    ✦ 16:30-16:45, Piera Soto (PIA)
    ✦ 17:00-17:15, John Farmer (REU)
    ✦ 17:15-17:30, Alexandar Contreras (PIA)
    ✦ 17:30-17:45, Blake Pantoja (REU)
    ✦ 17:45-18:00, Sarah Burkhart (REU)
➢ Tuesday, February 18th
   → 13:00-14:00, Spanish/English Lunch at Casa 13 with Students (bring your own lunch)
   → 15:30-17:30, Research Meeting Midterm Presentations (MCR)
      ◦ 7-10 slides (Intro, Background, Scientific Goals, Data/Data Reduction/Methods, Current work this week, Future work for next 3 weeks)
      ◦ 7-10 minutes to present with a few minutes for questions after

➢ Wednesday, February 19th
   → 11:00-12:00, Gemini Science Coffee (Casa 8)
   → ~11:00-18:00, Isabel Hawkins to tour Cerro Tololo telescopes with David James and 3 students (Piera, John, Blake)
      ◦ Get mealcards from Ximena before leaving

➢ Thursday, February 20th
   → 15:30-16:30, REU/PIA Weekly Student Seminar Series (MCR)
      ◦ “Hunting for Meteorites in the Chilean Atacama” by Michael Warner (MCR)

➢ Friday, February 21st
   → 11:00-12:00, CTIO Science Tea (LIB)
   → 19:30-21:30, Dinner with Isabel Hawkins, Nicole van der Bliek
      ◦ Tia Coco in Peñuelas (fish)
      ◦ Nicole and I will be subsidizing your meals, but please bring cash to pay for your portion

➢ Saturday, February 22nd
→ 10:00-16:00, Tour La Serena Archeological Museum and Japanese Garden with tour guide Judith Plaza
  • have lunch downtown
  • Museum cost: CLP$600 (or possibly free with student ID)
  • Garden cost: CLP$1000

➢ Sunday, February 23rd

→ ~09:00-16:00, Hiking near Totoralillo with Andrei Tokovinin
  • Hike up a intermediate difficulty ridge overlooking one of the beach towns about an hour south of La Serena, led by Dr. Andrei Tokovinin, an experienced hiker in the area. There is a 300 meter elevation gain and no specific trail, we just make out own path up the mountain.
  • Wear shoes with good traction, a hat, and sunscreen. Bring plenty of water (~2 liters), food for lunch on the top of the ridge, and any first aid-supplies you might need (band-aids, allergy medicines, etc.).
  • Please RSVP by Thursday so that we can arrange enough vehicles for everyone!

➢ No Research Meeting during the week of Feb. 24-28, because we have two seminars this week, and you all deserve a week off!

➢ Tuesday, February 25th

→ 12:00-13:00, Weekly Student Seminar, "Astroinformatics" by Guillermo Cabrera, (MCR)

➢ Thursday, February 27th
→ 11:00-12:00, Weekly Student Seminar---Special Seminar, “Space Debris” by Dr. Pat Seitzer from U.Mich. (MCR)

Other scheduled events:

➢ **Tuesday, March 4th**
   → 12:00-13:00, Weekly Student Seminar, “Career Path in Astronomy and Applying for Graduate School” by Katie Kaleida and Vaishali Parkash (MCR)

➢ **Monday, March 10th**
   → 15:00-17:00, First Practice for Final Presentations (ALH)

➢ **Tuesday, March 11th, Final Student Seminar**
   → 12:00-13:00, Final Student Seminar, “Who studies Binary Stars and Why they do it” by Andrei Tokovinin (MCR)

➢ **Wednesday, March 12th**
   → 15:00-17:00, Second Practice for Final Presentations (ALH)

➢ **Thursday, March 13th**
   → 15:00-17:00, REU/PIA Student Symposium (Final Presentations) (ALH)

➢ **March 14-17**: ALMA Field Trip

➢ **Friday, March 21**
   → 17:00, Final Report/Poster Drafts due

➢ **Friday, March 21**
   → 19:00, Farewell Dinner/Photo Exchange/Program Evaluation (location TBD)