

REU –SUMMER 2009

For all events, lunches and tours, the meeting place will be Bowen Hall Atrium unless otherwise specified. Schedule subject to change.

WEEK 1

Monday June 8, 2009

- 9.15-10.00 Registration, Breakfast and Picture session
- 10.00-11.00 Orientation - Brief talks by:
PRISM Director Prof. James Sturm
PCCM Director Prof. N.P. Ong
MIRTHE Director Prof. Claire Gmachl
PCCM Education Outreach Director Dr. Daniel Steinberg
PRISM/PCCM REU Faculty Advisor Prof. Jay Benziger
MIRTHE Education Outreach Director Roxanne Zellin
PRISM/PCCM Education Outreach Coordinator Shannon Swilley
- 11.00-12.00 Talk by Prof. Steve Chou
Topic: Engineering – A Path to Discovery and Innovation
- 12.00- 1.00 Lunch
- 1.00- 2.00 Laser Safety Training – Steve Elwood (Auditorium)
- 2.00- 4.00 Lab Safety Training – Jim Boehlert (Auditorium)

Tuesday June 9, 2009

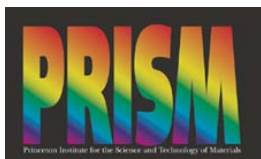
- 10.30-11.30 Imaging and Analysis Center -Dr. Nan Yao-PRISM (Meet in Atrium)
Tour of Prof. Mark Zondlo's lab
- 11.30-12.00 OIT Network and Computing Information Session (Auditorium)
- 12.00-1.00 Meet Your Mentors Luncheon
- 1.00 Return to labs

Wednesday June 10, 2009

- 11.00-12.00 REU Seminar Series
Talk by Prof. Craig Arnold
Topic: Laser-based direct-write methods for nanomanufacturing
- 12.00-1.00 Lunch

Thursday June 11, 2009

- 10.30-11.30 Chemistry – Cava Lab tour by Jared Allred – *Meet in [Frick Lab Lobby](#)*
- 12.00-1.00 Lunch



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WEEK 2

Wednesday June 17, 2009

11.00-12.00 REU Seminar Series
Talk by Prof. Jay Benziger
Topic: Materials Challenges for Fuel Cell Development

12.00-1.00 Lunch

WEEK 3

Monday June 22, 2009

10.30-12.00 Talk by Prof. Claire Gmachl
Topic: Materials, Lasers & Detectors

12.00-1.00 Lunch

Wednesday June 24, 2009

11.00-12.00 REU Seminar Series
Talk by Prof. Mark Zondlo
Topic: Laser spectroscopy for understanding air quality and global climate change

Friday June 26, 2009

2.00-3.45 Ethics Movie "The Day after Trinity," refreshments will be served

3.45-4.15 Informal discussion with Prof. Jay Benziger

WEEK 4

Wednesday July 1, 2009

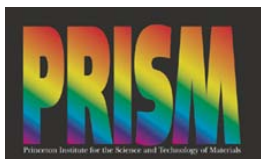
11.00-12.00 REU Seminar Series
Talk by Prof. Robert Prud'homme
Topic: Nanoparticles for Drug Delivery

12.00-1.00 Lunch

Thursday July 2, 2009

12.00-1.00 Lunch

1.30-3.00 PPPL Tour



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WEEK 5

Wednesday July 8, 2009

11.00-12.00 REU Seminar Series
Talk by Prof. Sigrid Adriaenssens
Topic: About Washing Lines, Spanish Architects, and Glass Houses

12.00-1.00 Lunch

Thursday July 9, 2009

12.00-1.00 Lunch

1.30-3.00 Shiseido Tour

WEEK 6

Wednesday July 15, 2009

11.00-12.00 REU Seminar Series
Talk by Prof. Margaret Martonosi
Topic: A World of Wireless

12.00-1.00 Lunch

Friday, July 17, 2009

11.00-12.00 Brief Talk by Prof. George Scherer
Topic: Materials Issues in the Conservation of Art

12.00-1.00 Lunch

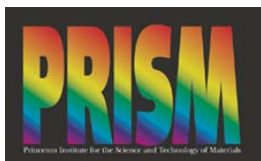
1.00-2.00 Materials Science Tour of Campus with Prof. George Scherer
Topic: Materials Issues in the Conservation of Art

WEEK 7

Wednesday July 22, 2009

11.00-12.00 REU Seminar Series
Talk by Prof. Claire Gmachl
Topic: Applied Quantum Mechanics

12.00-1.00 Lunch



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WEEK 8

Tuesday July 28, 2009

12.00-1.00 Lunch

1.30-2.30 Princeton Energy Plant Tour

Wednesday July 29, 2009

11.00-12.00 REU Seminar Series
Talk by Prof. Jason Petta
Topic: Taming the Quantum World

12.00-1.00 Lunch

Thursday July 30, 2009

4.00-6.00 REU BBQ

WEEK 9

Monday August 3 through Friday August 7, 2009

9.00-12.00 REU Final Presentations

12.00-1.00 Lunch

1.00-4.00 REU Final Presentations