

American Association of Physics Teachers -Central Pennsylvania Section
Announce the Fall 2009 PTRA workshop

Physics Education Research in the Classroom

This workshop will be a sharing of methods and ideas for physics or physical science teachers of all experience levels. There has been and continues to be investigations into how students learn and particularly into how students learn Physics. This PTRA workshop will share some of the findings of this Physics Education Research as well as how to incorporate these findings into your classroom. Different methods and best practices will be demonstrated and discussed. Topics discussed will be: Discourse management (using displacement and velocity graphs to solve uniformly accelerated motion problems), ranking tasks, discovery experiments (strategy game), physics practicums (group evaluations), and an introduction to Spiral Physics.

Physics is much more than a body of knowledge. It embodies habits of thought, philosophical attitudes, broad concepts, and basic skills that can be developed slowly all year and can last a lifetime. Please bring to the workshop a “best” practice that you have found to be effective that you would be willing to share with the other participants. These exchanges of ideas are valuable to all of us as we practice the art of teaching physics.

Date: Friday, November 6, 2009

Time: 8:30 A.M. to 3:00 P.M. (total of six hours)

Place: Penn State Schuylkill

Cost: \$60 Please make check payable to: **AAPT/CPS**.

Questions about the workshop can be directed to Dave McCachren (kmccachren@comcast.net) please include PTRA in the subject line.

Please register by October 30 by sending check and registration to:

Michael R. Gallis
Penn State Schuylkill
Schuylkill Haven, PA 17972
570-385-6053

Or email mrg3@psu.edu with the information and PAY by check at the workshop.

Name:

School:

Address:

e-mail:

Spring workshop will be Physics with Video Analysis. Friday, March 12 at LaSalle University, Philadelphia. Please ask for the day to go to both workshops now!

Directions to Penn State Schuylkill

Allentown, PA

- Take most convenient route to I-78 W
- Take exit 29B (PA- 61 North, Pottsville)
- The campus is located about fifteen minutes from the exit on University Drive, at the fifth traffic light. The campus and University Drive are on your right

Harrisburg

- Take most convenient route to I-81N toward Allentown/I-78
- Continue on I-81N to the I-78/I-81 split
- Make a slight right to I-78E (follow signs for I-78/Allentown)
- Take exit 17 (PA-419)
- Keep left at the fork, follow signs for Pottsville and merge onto Four Points Rd (PA-419)
- Continue to follow PA-183 for approximately 10 miles
- Make a right at Pottsville St. to continue to follow PA-183 (this turn is at a red light)
- Make a right at PA-61, the next red light
- The campus is located just a few minutes from your turn onto PA-61 on the left. You will pass through one additional red light after you turn onto PA-61. Make a left at the next red light, onto University Drive which has a left turn lane.

Reading

- Take PA-61 N toward Pottsville
- After a passing over I- 78 at Hamburg, stay on Route 61 North
- The campus is located about fifteen minutes from the I-78 overpass on University Drive, at the fifth traffic light. The campus and University Drive are on your right

Wilkes-Barre/Scranton

- Take the most convenient route I-81 S
- Take Exit 124A (PA-61 S to Pottsville)
- Continue on PA-61 through Saint Clair and then Pottsville
- Outside of Pottsville, in Cressona will be a shopping center to your right. The campus is three traffic lights from this shopping center.
- Make a left at the third red light, which has a left turn lane, onto University Drive.

University Park

- Take the most convenient route to I-80 E
- Take I-80 E to Exit 33 (PA-54 South to Danville)
- Follow Route 54 through Danville; it ends at Route 61 outside Mount Carmel.
- Follow PA- 61 South through Ashland, Frackville, Saint Clair and Pottsville.
- Outside of Pottsville, in Cressona will be a shopping center to your right. The campus is three traffic lights from this shopping center.
- Make a left at the third red light, which has a left turn lane, onto University Drive.

After turning onto University Drive, parking will be available in the student lot on your left (Red S). The workshop will be held in the Physics Lab, which is room 111 in the Classroom Building. See enclosed Penn State Schuylkill Campus Map for directions from the parking lot to 111 C-Building. Breakfast and lunch will be available at the Hidden Stream Café on campus, also indicated on the map. The Café generally has a good selection of both hot and cold foods at a reasonable price.

CAMPUS BUILDINGS

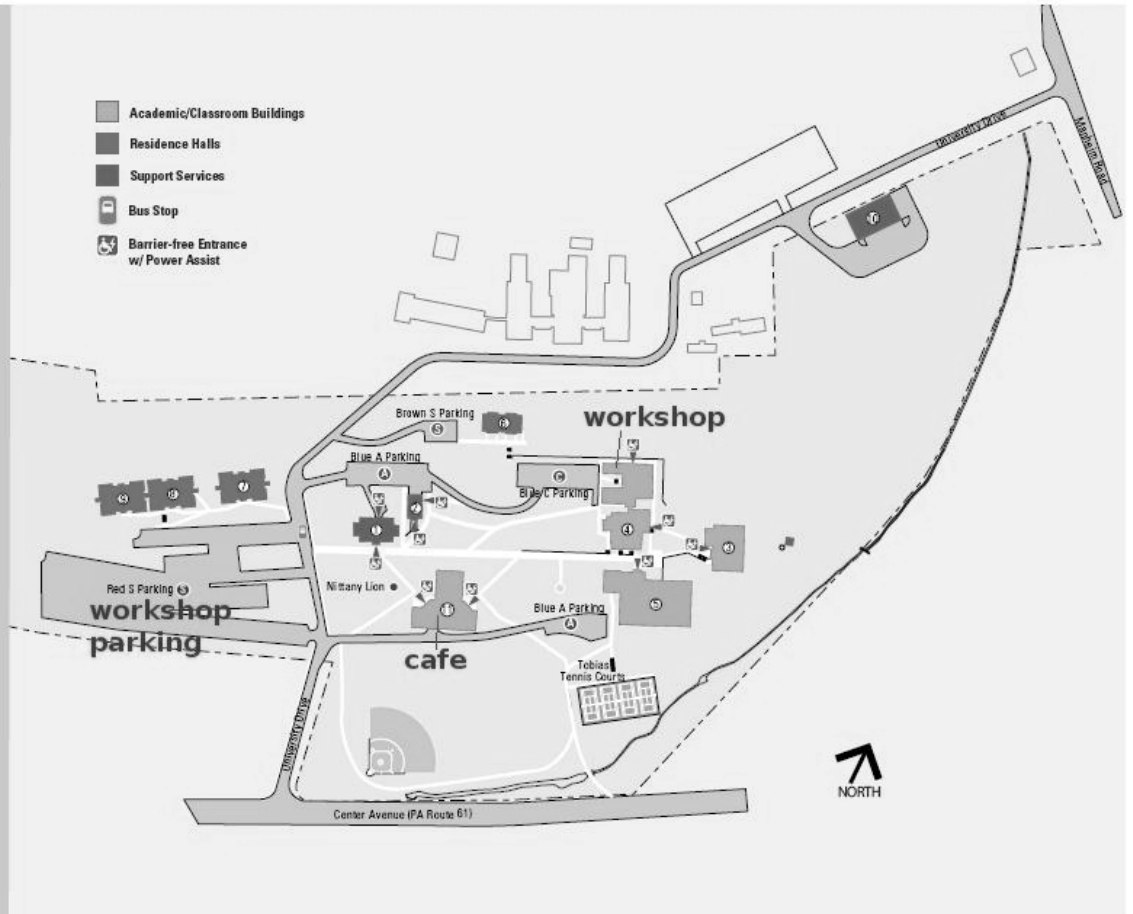
- 1 Administration Building
Academic Affairs
Admissions
Bursar
Continuing Education
Office of the Chancellor
University Development
- 2 Business and Academic Services Building
Academic Advising
Business Services
Housing Office
Police Services
Registrar
- 3 Clettl Memorial Library
Center for Academic Achievement
- 4 Classroom Building
Cotler Computer Center
R. Michael Fryer Conference Center
- 5 Health and Wellness Building
Athletic Office
Counseling and Disability Services
Fitness Center
Gymnasium
Health Services
Student Affairs
- 6 Nittany Apartments I
- 7 Nittany Apartments II
- 8 Nittany Apartments III
- 9 Nittany Apartments IV
- 10 Physical Plant Building
- 11 Student Community Center
Bookstore
Hidden Stream Cafe
John E. Morgan Auditorium

PARKING

All parking by permit only
 Valid permit must be displayed at all times

-  Blue A Parking
Faculty/Staff
-  Red S Parking
Student/Visitor
-  Brown S
Student Resident
-  Blue C
Faculty/Staff

-  Academic/Classroom Buildings
-  Residence Halls
-  Support Services
-  Bus Stop
-  Barrier-free Entrance
w/ Power Assist



Welcome to Penn State