PHY 510: Process Skill in Physics Teaching
Featuring the Physics Core Curriculum
July 20-August 1, 2003

PHY 510: Process Skill in Physics Teaching (formerly the Physics Teacher Institute) is specifically designed for physics teachers new to the Physical Science: Physics Core Curriculum. Using the concept, “teachers teaching teachers,” a team of five master high school physics teachers, along with college faculty, will lead this course for teachers throughout New York State. During the course participants will:

- Become familiar with effective classroom activities and strategies that are necessary to be successful in teaching with the new Physical Science: Physics Core Curriculum.
- Experience laboratory activities that help all physics students develop problem-solving skills.
- Learn how to provide classroom instruction that effectively integrates demonstrations and group activities that build on students’ prior knowledge.
- Examine assessment instruments designed to help physics students prepare for the new Physics Exam.
- Experience computer-enhanced instructional practices for developing science concepts elusive to other teaching strategies.

The course is conducted by master high school physics teachers and college faculty whose professional activities have included Woodrow Wilson Physics Teaching Institute, Physics Teacher Resource Agent training, and National Science Foundation Training. The instructors have over 80 years combined physics teaching experience, including leadership roles in professional improvement programs for area physics teachers.

The cost of this 6-credit graduate level course is $1360.80. This includes all materials, “Make and Take” activities, CD ROM with all activities and written materials, off-campus excursions and lunch. Tuition scholarships may be available pending grant funding. If taken as a non-credit bearing workshop, the cost is $900 per participant. This workshop course fulfills the equivalent of 100 professional development instructional contact hours.

What Past Participants Say About PHY 510:

“This is the most valuable thing that I’ve ever done for my students, myself, and my profession.”

“I would go to anything that these instructors presented. They are the best mentors I have ever worked with. I really believe no one should be certified without attending this institute.”

“My physics students in the upcoming school year thank you all!”

“The instructors gave and gave and gave - great material, advice, guidance, and more. They are truly professionals!”

Visit http://physicsed.buffalostate.edu/programs/ to apply for participation in this workshop and to find more information about other Physics Teaching Pathways Summer Academy courses.

For more information about PHY 510 workshop course contact Dave Henry, (716) 878-5619 or henryd@buffalostate.edu