

May 3, 2010

To: Neighbor Island Science Teachers

Fr: Arnold Feldman, Associate Professor, (Retired) Physics and Astronomy Department

Re: Participation in this year's program for out-of-field teachers

The Physics, Physiology and Technology Program (PP&T) was developed by the Curriculum Research and Development Group (CRDG) of the UH Manoa College of Education. It consists of hands-on conceptual activities in physics that are suitable for either a ninth/tenth grade physical science course or an eleventh grade physics course. These activities emphasize guided-discovery methods that can be done using standard and/or digital lab equipment.

The UH Manoa Physics department will offer a two-credit course, PHYS 399 - "Individual Work in Advanced Physics: Special Section for Teachers" this summer (June 7-10, 14-19, and 21-23, 2010) **on your island** using PP&T materials and methods. PHYS 399 is not your standard lecture-lab course. It is aimed specifically at teachers who teach physical science or physics but did not major in physics in college. It will cover velocity and acceleration in straight-line motion, plus topics in Newton's three laws of motion and momentum. Teachers work through PP&T activities during class time and develop projects that they can use with their students during the school year.

The course is **free** - our grant pays for the tuition - and PHYS 399 is recognized by the Hawaii DOE for professional development. Classes on the neighbor islands will be in contact with the class on Oahu in "real time" using Elluminate and Polycom. The class will be conducted by an experienced DOE Teacher Leader at a high school on your island who is knowledgeable in both the course materials and the long distance technology. All teachers will share their projects through an online presentation on June 22nd and 23rd. They will receive a free CD with the course information on it.

If you are interested please complete the enclosed Participant Information Form on the second page of this memo and return it to me. I can then discuss the opportunity with you in more detail and answer any questions that you may have about the course and/or our program.

We look forward to your participation in our class this summer.

Aloha.

PHYS 399

PARTICIPANT INFORMATION FORM

NAME \_\_\_\_\_ HOME PHONE \_\_\_\_\_

HOME ADDRESS \_\_\_\_\_ CELL PHONE \_\_\_\_\_

\_\_\_\_\_

SCHOOL \_\_\_\_\_ SCHOOL PHONE \_\_\_\_\_

SCHOOL ADDRESS \_\_\_\_\_ FAX NUMBER \_\_\_\_\_

\_\_\_\_\_ E-MAIL ADDRESS \_\_\_\_\_

SCHOOL SUBJECTS PRESENTLY TAUGHT (Please include grade levels taught).

NUMBER OF TIMES

PHYSICS \_\_\_\_\_

PHYSICAL SCIENCE \_\_\_\_\_

OTHER SCIENCES \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

OTHER SUBJECTS \_\_\_\_\_

EDUCATION BACKGROUND.

MAJOR \_\_\_\_\_

MINOR \_\_\_\_\_

AREA OF TEACHER LICENCE \_\_\_\_\_

PLEASE RETURN THIS FORM TO

ARNOLD FELDMAN

UH MANOA - PHYSICS & ASTONOMY DEPARTMENT

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**PLEASE RETURN BY MONDAY MAY 17, 2010**

