

**From:** "Fred E. Nakaguma" <fnakaguma@hawaii.rr.com>  
**Subject:** **Fwd: Summer Sustainability Science Courses: Tuition Support**  
**Date:** April 1, 2010 3:25:09 PM HST  
**To:** HaSTA <hasta-L@lists.hawaii.edu>  
▶ 1 Attachment, 144 KB

X-Cloudmark-Score: 0  
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Date: Thu, 01 Apr 2010 13:16:55 -1000  
From: Pauline Chinn <chinn@hawaii.edu>  
Subject: Summer Sustainability Science Courses: Tuition Support  
To: Fred Nakaguma <fnakaguma@hawaii.rr.com>  
Cc: gruff <gruff@ifa.hawaii.edu>  
X-Accept-Language: en  
Priority: normal  
Aloha Fred and Paul, Please forward to interested teachers and HaSTA. Mahalo for your support, Pauline  
***MŪlama I Ka 'Āina, Sustainability***  
**EDCS 433 Interdisciplinary Science Curriculum & EDCS 450 Materials and Methods**  
June 7-30, July 19; Oct., March (1 day ea. TBA)\*  
**UH-MŪnoa, Field Sites**

**Tuition support: \$1,400 under NHEA Award, *Kōlia I Ka Nu'u*.**  
**Prereg/info: [chinn@hawaii.edu](mailto:chinn@hawaii.edu). Enroll via Outreach College April-May. Limit 20.**  
**EDCS 433 & 450 are taught concurrently. Credits apply to graduate programs.**

**Instructors:** Pauline Chinn, [chinn@hawaii.edu](mailto:chinn@hawaii.edu), Michelle Kapana-Baird, Matt Kanemoto, Alyson Barrows, Sabra Kauka, Manuel Jadulang, Mahina Hou Ross

**Course Goals:** Many Hawaiian practices, sayings, chants, and stories are sources for science learning. The saying *Hahai no ka ua i ka ululŪ'au*; Rains always follow the forest (Pukui, 1983) recognizes that mists condense on trees and enter the groundwater. Thus Hawaiians protect forests that preserve the watershed. Seeing humans as part of the natural world is fundamental to sustainability. Course activities support writing and teaching of culturally meaningful science lessons. Our goal is to increase student success in science, technology, engineering, math (STEM) courses and careers.

Teachers in Hawaiian programs and charter schools will find EDCS 433/450 supports teaching science from a cultural foundation, *Papakō Makawalu*. Please contribute ideas and lessons for a physics course to be offered summer 2011. Your guides: Huihui Kanahēle-Mossman, Mahinahou Ross, Paul Coleman, and Fred Nakaguma.

**Course Objectives:** EDCS 433 and 450 will enable you to:

1. Use course activities to write, teach, and assess Hawaii-focused, K-12 inquiry lessons that address State Science Content and Performance Standards.
2. Study Hawaii's natural resources and environment through a culture-science lens.
3. Include cultural and community resources to support meaningful learning.

For more information and to preregister, contact Pauline: [chinn@hawaii.edu](mailto:chinn@hawaii.edu), 956-4411.

**\*Schedule: June 7-10, 14, 16, 18, 21, 23, 25, 28, 30. July 19, M, Oct. & March TBD.**  
**June 7-10 Punalu'u Hale Immersion. (Approx. 100 hours total)**

**EDCS 433 Interdisciplinary Science Curriculum (3 Cr)** Methods and models of curricular integration such as interdisciplinary, culturally relevant, place and community-based learning. Repeatable once.

**EDCS 450 Methods and Materials in Science (3 Cr)** Selecting and using methods and materials, inquiry and discovery, activities from various curricula, opportunity for individualized goals and projects. Repeatable once.



[Course Ann....doc \(144 KB\)](#)