



UNIVERSITY OF HAWAII AT MĀNOA

# College of Education

## 2008 Summer Professional Development

The College of Education comprises a diverse mix of faculty, staff, and students whose aims are to advance and generate knowledge in the fields of education, human development, counseling, administration, assessment, evaluation, research, technology, disabilities, and other related disciplines.

It is the mission of the college to work as a diverse and democratic community through teaching, research, and service. An important part of this work is providing ongoing professional development in education to in-service educators. This summer, we offer a diverse selection of summer professional development opportunities designed to meet a broad range of needs.

### University of Hawai'i Outreach College credit

Most of our professional development courses are offered for either 500-level or 600-level University of Hawai'i credit through the UHM Outreach College.

**400-level credit** (courses with alpha codes from 400–499) is considered the most advanced undergraduate courses, and may be accepted by UHM Graduate Division to fulfill graduate degree requirements.

**500-level credit** (courses with alpha codes from 500–599) is considered post-baccalaureate credit because registration requires a bachelor's degree from a recognized university. However, these credits are not generally applicable toward graduate degrees. These courses are offered with a credit/no credit grading option.

**600-level credit** (courses with alpha codes from 600–699) is graduate level credit and is applicable toward graduate degrees. These courses are offered with an A–F grading option.

**700-level credit** (courses with alpha codes from 700–799) is graduate level credit and is applicable toward graduate degrees. These courses are usually designated for thesis research.

## Curriculum Research & Development Group (CRDG)

At CRDG, we believe that in order to produce real change through program implementation, teachers must be provided with ongoing professional development opportunities. Our programs are designed with significant professional development components that incorporate the most up-to-date research in teaching and learning, model successful instructional strategies, increase teachers' content knowledge in the subject area, and help teachers address state and national standards.

This summer many of CRDG's courses are **FREE** to Hawai'i teachers! Course fees are paid by grant funding. Additional fees may be required for UH credit registration.

### To Register

Complete and submit the Curriculum Research & Development Group 2008 Course Registration Form. You can also download the form at <http://www.hawaii.edu/crdg/prodev>. Within a few weeks, you will receive a packet confirming your registration and explaining how to register for UH credit (if applicable).

### Contact

#### CRDG Marketing and Publication Services (MaPS)

1776 University Avenue, CMA 101

Honolulu, HI 96822

**Phone:** 800-799-8111 or 808-956-4969

**Fax:** 808-956-6730

**E-mail:** [crdg@hawaii.edu](mailto:crdg@hawaii.edu)

**Web site:** <http://www.hawaii.edu/crdg>

### CRDG Mathematics

#### Understanding Elementary Mathematics and Pedagogy

This one-week teacher professional development experience will provide a content-based learning experience for elementary grades teachers designed to deepen their understanding of elementary mathematics and pedagogy.

Activities will include:

- solving mathematics problems through a problem-solving and inquiry approach,
- experiencing and studying pedagogical techniques that promote understanding by learners constructing their own meaning, and
- observing a summer mathematics class at a public elementary school for incoming second graders that uses content and pedagogy parallel to what participants experience.

Participants should bring a bag lunch.

Hawai'i participants' course fees are covered by STEM grant funding. Hawai'i participants who successfully complete this course will receive a \$500 stipend.

**Dates/Times:** June 23–27, 2008, 8:30 a.m.–3:00 p.m.

**Location:** Blanche Pope Elementary School

**Cost:** Free to Hawai'i teachers (course fee covered by grant).

**Credits:** N/A

# Curriculum Research & Development Group

## 2008 Course Registration Form

### Mathematics Content Collaboration Communities (MC<sup>3</sup>)

This two-day teacher professional development experience for high school teachers will combine reflection on the “Big Ideas” of high school mathematics with a coordinated focus on rich mathematics tasks and how good tasks can be interesting and enhance student learning. Project materials can be immediately implemented in the classroom and are not tied to a specific curriculum.

The following set of questions will guide our work together:

- What are the differences between knowing mathematics content and the content knowledge high school teachers need to teach mathematics?
- What connections are there between teacher understanding of this mathematics and student learning?
- How might professional learning communities be structured to focus on this specific type of mathematical content knowledge?

Participants should bring a bag lunch.

Hawai‘i participants’ course fees are covered by STEM grant funding. Hawai‘i participants who successfully complete this course will receive a \$200 stipend.

**Dates/Times:** June 9–10, 2008, 8:30 a.m.–3:00 p.m.  
**Location:** University of Hawai‘i campus  
**Cost:** Free to Hawai‘i teachers (course fee covered by grant).  
**Credits:** N/A

### CRDG Science

#### Inquiry Science for High School: FELO (Marine Science)

*The Fluid Earth* and *The Living Ocean* (FELO) capture the human fascination with the ocean and the lure of the sea in a rigorous one-year, multidisciplinary science and technology course integrating biology, physics, chemistry, meteorology, geology, cartography, oceanography, marine-related technology, and ecology for students of all abilities in grades 9 to 12.

Course fees include one *Fluid Earth/Living Ocean* Teacher’s Set.

**Dates/Times:** June 23–27, 2008, 8:30 a.m.–3:30 p.m.  
**Location:** UH Mānoa, University Laboratory School  
**Cost:** \$375 course fee for Hawai‘i participants (in-state rate)  
 \$630 course fee for out-of-state participants  
**Credits:** 2 UH credits (requires an additional credit registration fee)

#### Inquiry Science for Middle School: FAST

*Foundational Approaches in Science Teaching* (FAST) students do real science at a level appropriate for grades 6 to 10. Three sequential courses are organized into strands—physical science, ecology, and a relational study—reflecting the recommendations of the National Science Teachers Association (NSTA) for integrating the sciences.

Course fees include one FAST Teacher’s Set.

#### FAST 1: The Local Environment

**Dates/Times:** June 16–20, 2008, 8:00 a.m.–3:00 p.m.  
**Location:** UH Mānoa, University Laboratory School  
**Cost:** \$375 course fee for Hawai‘i participants (in-state rate)  
 \$630 course fee for out-of-state participants  
**Credits:** 2 UH credits (requires an additional credit registration fee)

#### FAST 2: Matter and Energy in the Biosphere

**Dates/Times:** June 23–July 3, 2008, 8:00 a.m.–3:00 p.m.  
**Location:** UH Mānoa, University Laboratory School  
**Cost:** \$475 course fee for Hawai‘i participants (in-state rate)  
 \$840 course fee for out-of-state participants  
**Credits:** 3 UH credits (requires an additional credit registration fee)

#### Inquiry Science for Elementary: DASH

Developmental Approaches in Science, Health, and Technology (DASH) is a sequential, inquiry-based program for grades K to 6 that integrates the areas of science, health, and technology. DASH reaches a broad spectrum of learners through hands-on activities that are aligned with HCPS III and use a variety of teaching and assessment strategies.

Course fees include one DASH Teacher’s Set.

Hawai‘i participants’ course fees are covered by STEM grant funding. Hawai‘i participants who successfully complete this course will receive a \$250 stipend.

#### DASH for Grade K

**Dates/Times:** July 7–11, 2008, 8:30 a.m.–3:00 p.m.  
**Location:** Navy Hale Keiki School, Salt Lake  
**Cost:** Free to Hawai‘i teachers (course fee covered by grant).  
 \$630 course fee for out-of-state participants  
**Credits:** 3 PDERI credits available to HI DOE teachers.

#### DASH for Grade 1

**Dates/Times:** July 7–11, 2008, 8:30 a.m.–3:00 p.m.  
**Location:** Navy Hale Keiki School, Salt Lake  
**Cost:** Free to Hawai‘i teachers (course fee covered by grant).  
 \$630 course fee for out-of-state participants  
**Credits:** 3 PDERI credits available to HI DOE teachers.

#### DASH for Grade 2

**Dates/Times:** July 14–18, 2008, 8:30 a.m.–3:00 p.m.  
**Location:** Navy Hale Keiki School, Salt Lake  
**Cost:** Free to Hawai‘i teachers (course fee covered by grant).  
 \$630 course fee for out-of-state participants  
**Credits:** 3 PDERI credits available to HI DOE teachers.

To register for CRDG courses, please read and complete the following form.

1. Complete the information requested on the front of this form.
2. Select the course(s) you are registering for on the back of this form.
3. Enclose your course fee payment check or indicate your credit card information or school purchase order number in the space provided. Checks may be mailed separately for faxed forms.

Separate credit registration is **required** for courses that offer UH credit. You will be charged an additional \$107.00 credit fee by Outreach College (see back for details).

4. Mail, Email, or Fax this completed registration form to:
 

**CRDG Marketing and Publication Services**  
 1776 University Ave., CMA 101  
 Honolulu HI 96822  
 Fax: 808-956-6730  
 Email: [crdg@hawaii.edu](mailto:crdg@hawaii.edu)
5. You will receive a letter of confirmation within a few weeks of processing your registration.

**DIRECT ALL INQUIRIES TO CRDG**  
 808-956-4969 • 1-800-799-8111 • [crdg@hawaii.edu](mailto:crdg@hawaii.edu)

### Participant Information

Name (Last, First) \_\_\_\_\_

Home Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_ Home/Cell Phone \_\_\_\_\_

School Name \_\_\_\_\_

School Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_ School Phone \_\_\_\_\_

Grade Level Teaching \_\_\_\_\_ Email \_\_\_\_\_

### Course Fee Payment

Make checks and purchase orders payable to “CRDG.” Course fee payments must be received before the first class session.

COURSE FEES due \$ \_\_\_\_\_

Check enclosed     Check mailed     School P.O.# \_\_\_\_\_     Credit Card (complete below)

Card info     MasterCard     VISA    Credit Card # \_\_\_\_\_    Exp. Date \_\_\_\_\_

Name on card \_\_\_\_\_    Signature \_\_\_\_\_

### For CRDG Office Use Only

Received \_\_\_\_\_    Recorded \_\_\_\_\_    Project \_\_\_\_\_    Confirm \_\_\_\_\_

UH ID \_\_\_\_\_    Approval \_\_\_\_\_    Paid \_\_\_\_\_    Invoiced \_\_\_\_\_

# Curriculum Research & Development Group

## 2008 Course Registration Form

### University of Hawai'i credit

UH credit courses offer University of Hawai'i 500-level credit, which is not applicable towards degree or (DOE) salary adjustment, but can be applied towards re-certification.

Separate UH credit registration is **required** to participate in courses that offer UH credit. **You will be charged a separate Course Administrative Fee (CAF) of \$107 when you register for credit.** This fee is non-refundable.

Your confirmation letter will contain instructions for credit registration via the MyUH online portal. It is a multi-step process and takes some time to complete.

### Course Listings

For course descriptions, contact us at the information below or visit our website at [www.hawaii.edu/crdg](http://www.hawaii.edu/crdg).

Please register me for the following course(s):

✓ Course	Date	Location	Course fee		Credit
			Out-of-State	Hawai'i★	
<b>Inquiry Science for High School: FELO (Marine Science)</b>					
<input type="checkbox"/> The Fluid Earth/The Living Ocean	June 23-27	UH Lab School Honolulu, HI	\$630	\$375	2 UH▲
<b>Inquiry Science for Middle School: FAST</b>					
<input type="checkbox"/> FAST 1: The Local Environment	June 16-20	UH Lab School Honolulu, HI	\$630	\$375	2 UH▲
<input type="checkbox"/> FAST 2: Matter and Energy in the Biosphere	June 23-July 3	UH Lab School Honolulu, HI	\$840	\$475	3 UH▲
<b>Inquiry Science for Elementary: DASH</b>					
<input type="checkbox"/> Grade K	July 7-11	Navy Hale Keiki Honolulu, HI	\$840	FREE#	3 PDERI
<input type="checkbox"/> Grade 1					
<input type="checkbox"/> Grade 2	July 14-18	Navy Hale Keiki Honolulu, HI	\$840	FREE#	3 PDERI
<b>Meeting the HCPS III Science Standards</b>					
<input type="checkbox"/> Grade 3	June 30-July 3	UH Lab School Honolulu, HI	—	FREE#	3 PDERI
<input type="checkbox"/> Grade 4	June 23-26	UH Lab School Honolulu, HI	—	FREE#	3 PDERI
<input type="checkbox"/> Grade 5	June 16-19	UH Lab School Honolulu, HI	—	FREE#	3 PDERI
<input type="checkbox"/> Grade 6	July 14-17	UH Lab School Honolulu, HI	—	FREE#	3 PDERI

★ For courses offered in Hawai'i, Hawai'i teachers/participants are eligible for reduced in-state course fee rates.

# For Hawai'i teachers/participants course fees are paid by a grant. Additional credit registration fees may be required.

▲ Credit registration is required. Participants must pay an additional credit registration fee to UH Outreach College.

DIRECT ALL INQUIRIES TO CRDG

808-956-4969 • 1-800-799-8111 • [crdg@hawaii.edu](mailto:crdg@hawaii.edu)

### Meeting HCPS III Science Standards

This course for elementary teachers is designed to address the Hawai'i Science Content and Performance Standards, HCPS III, and to follow the new Benchmark Maps for each grade level. Hawai'i science teachers face many changes with the mandate to use the HCPS III standards in instructional planning and with the No Child Left Behind requirement that grade 5 and 7 students take the Hawai'i science assessment tests. This course will prepare teachers to successfully teach a series of science activities that will enable them to 1) use a variety of instructional and assessment strategies that are aligned to HCPS III, 2) have the knowledge and confidence to deliver the required science and technology content for their grade level, and 3) develop an excitement and enthusiasm for teaching science at the elementary level.

Hawai'i participants' course fees are covered by STEM grant funding. Hawai'i participants who successfully complete this course will receive a \$200 stipend.

#### Grade 3

**Dates/Times:** June 30-July 3, 2008, 8:30 a.m.-3:00 p.m.

**Location:** UH Mānoa, University Laboratory School

**Cost:** Free to Hawai'i teachers (course fee covered by grant).

**Credits:** 3 PDERI credits available to HI DOE teachers.

#### Grade 4

**Dates/Times:** June 23-26, 2008, 8:30 a.m.-3:00 p.m.

**Location:** UH Mānoa, University Laboratory School

**Cost:** Free to Hawai'i teachers (course fee covered by grant).

**Credits:** 3 PDERI credits available to HI DOE teachers.

#### Grade 5

**Dates/Times:** June 16-19, 2008, 8:30 a.m.-3:00 p.m.

**Location:** UH Mānoa, University Laboratory School

**Cost:** Free to Hawai'i teachers (course fee covered by grant).

**Credits:** 3 PDERI credits available to HI DOE teachers.

#### Grade 6

**Dates/Times:** July 14-17, 2008, 8:00 a.m.-3:30 p.m.

**Location:** UH Mānoa, University Laboratory School

**Cost:** Free to Hawai'i teachers (course fee covered by grant).

**Credits:** 3 PDERI credits available to HI DOE teachers.

### Teaching Science as Inquiry (TSI): Aquatic Science

This professional development gives participants an opportunity to explore the biotic and abiotic aspects of our water planet, including integrated study of ecology and human impacts on the environment. Because everyone relies on water in some way, the activities are very adaptable to a wide variety of aquatic habitats. They include investigations of sand and sand forming processes, fish form and function, and pollution.

The instructional materials are built around laboratory studies, with the class conducted as a community of working scientists with the instructor as the principal investigator.

Participants will have the opportunity to develop skills in the following areas:

- 🔍 Scientific Inquiry: observation, hypothesis generation, experimentation, and analysis
- 🔍 Lab Skills Development: apparatus manipulation, information collection and data analysis techniques
- 🔍 Verbal/Written Reporting: documentation, and referencing of findings
- 🔍 Problem Solving: identification, research, and eventual understanding
- 🔍 Community Participation: working with others, taking on responsibility, asking for and acknowledging help, showing respect for self and peers
- 🔍 Reflection: contemplating sources of error and alternate explanations for observations and results

Hawai'i participants' course fees are covered by STEM grant funding. Hawai'i participants who successfully complete this course will receive a \$150 stipend.

**Dates/Times:** June 23-24, 2008, 9:00 a.m.-3:00 p.m.

**Location:** TBA

**Cost:** Free to Hawai'i teachers (course fee covered by grant).

**Credits:** none

### NEW! Teaching Science as Inquiry (TSI): Matter, Energy, and the Environment

This professional development course provides participants an opportunity to investigate the flow of energy and the cycling of matter through the biosphere. To explore this topic, experiments with photosynthesis, food analysis, composting, and interrelationships of plants and animals will be used to develop models of producers, consumers, and decomposers. This course targets multiple grade seven HCPS III life science benchmarks.

The instructional materials are built around laboratory studies. The class is conducted as a community of working scientists with the instructor as the facilitator. Inquiry teaching strategies, including questioning and modes of inquiry, will be modeled and discussed.

Hawai'i participants' course fees are covered by STEM grant funding. Hawai'i participants who successfully complete this course will receive a \$150 stipend.

**Dates/Times:** July 7-9, 2008, 8:30 a.m.-3:00 p.m.

**Location:** UH Mānoa, University Laboratory School, UHS 1, Room 112

**Cost:** Free to Hawai'i teachers (course fee covered by grant).

**Credits:** none

## Department of Curriculum Studies (EDCS)

The Department of Curriculum Studies (EDCS) offers advanced degrees at the masters and doctoral levels in curriculum studies and early childhood education (MEd), and, as part of a college-wide doctoral degree, in curriculum and instruction (PhD).

### 2008 National Art Education Association Co-Sponsored Academy

The NAEA, with more than 22,000 members, is the only national professional art education association in the United States. It comprises elementary and secondary teachers, artists and administrators, museum educators, arts council staff, and university professors from the United States and 66 foreign countries. Its mission is to advance art education through professional development, service, advancement of knowledge, and leadership.

#### To Register

Send application and tuition, made payable to the Honolulu Academy of Arts, to **Honolulu Academy of Arts**  
900 South Beretania Street  
Honolulu, Hawai'i 96814.

☛ Applications and fees must be received by the Academy of Arts no later than June 1, 2008.

☛ Class size is limited to 25 participants.

☛ Registration with the University of Hawai'i Outreach College for 3 credits can be done anytime after being accepted to the program and must be completed by the first day of class.

#### Contact

Betty Lou Williams, Ph.D.

Phone: 808-958-4415

E-mail: bettylou@hawaii.edu

### **EDCS 640N: Seminar in Art Education Learning From Objects and Site Visitation: People, Places, and Things**

Topics to be covered include personal narrative and correlation theory applied to the museum setting; the constructivist museum and the spiral learning curve; signs, symbols, images, objects, words and text; applying art history, art criticism, aesthetics and visual culture to collections; and developing curricula and educational programming in conjunction with collections and the classroom.

**Dates/Times:** July 14–18 (MTWRF), 10:00 a.m.–4:30 p.m.

**Instructor(s):** Betty Lou Williams, PhD

**Location:** Honolulu Academy of Arts 900 South Beretania Street,

**Phone:** 808-532-8701

**Cost:** \$400 made payable to the Honolulu Academy of Arts

**Credit:**

3 UH graduate credits through Outreach College available separately. For information and enrollment instructions contact Outreach College at [www.outreach.hawaii.edu](http://www.outreach.hawaii.edu) or 808-558-2669.

### EDCS 433 and PHYS 399: Physical Science and Technology

#### Invitational co-requisite courses

These required co-requisite courses are supported by funds from the No Child Left Behind Act and the Hawai'i Department of Education. The two co-requisite courses are being offered as a hybrid combination of on-campus and online course activities. The DOE recognizes EDCS 433 and PHYS 399 for professional development; and both courses may be applied for qualifying teachers towards fulfilling requirements for the Master of Education in Curriculum and Instructions.

Teachers are asked (but not required) to bring a laptop.

#### To Register

To apply and register, contact Dr. Arnold Feldman. Registration will be on-site only.

#### Contact

Dr. Arnold Feldman

Department of Physics, UH Mānoa

Phone: 808-956-7599

E-mail: feldman@hawaii.edu

### **EDCS 433: Interdisciplinary Science Curriculum: Inquiry Approaches to Integrating Physical Science and Technology**

The EDCS 433 course addresses the Hawai'i Content and Performance Standards for Science (III, 2005) emphasizing Inquiry (Std. 1), Nature of Science (Std. 2) and selected benchmarks related to force and motion, light, and sound (Stds. 7 and 8). Teachers will engage in hands-on, inquiry-based activities; use digital probes to augment and extend inquiry; and compare traditional hands-on with digitally augmented hands-on and virtual science laboratory approaches to instruction and assessment in physical science. Course assignments probe integration of digital technologies to foster understanding of inquiry and the nature of science. Activities selected for the course include selected topics from Physics Physiology Technology Program developed by the Curriculum Research & Development Group, selected activities from published probeware curricula, and online virtual learning sites.

### **PHYS 399: Individual Work in Advanced Physics: Special Section for Teachers**

The PHYS 399 course engages teachers concurrently enrolled in EDCS 433 in designing and carrying out an experiment investigating UVA and UVB rays using digital probe technology. Teachers will analyze and report results in oral and written presentational format.

**Dates/Times:**

**Face to Face Class Sessions**

June 9–13, 2008 (M–F), 8:30 a.m.–4:00 p.m.

June 14, 2008 (Sat), 8:30 a.m.–2:30 p.m.

**Online Class sessions via Elluminate**

June 3, 2008 (T), 4:30–6:30 p.m.—Orientation to using Elluminate (Optional)

June 7, 2008 (Sat), 8:30 a.m.–1:30 p.m.—First Course Session (Required)

June 20, 2008 (F), 8:30 a.m.–1:30 p.m.—Final Presentations (Required)

**Instructor(s):**

Dr. E. Barbara Klemm, Professor, Dept. Curriculum Studies

Jim Redmond, Science Educator, CRDG

**Location:**

Instructional Services Branch Rm 101, 475 22nd Ave, Honolulu, HI

**Cost:**

For teachers accepted into the course, funds provided by a grant under the No Child Left Behind Act and the Hawai'i Department of Education cover tuition, books, and course materials. Neighbor island teachers will receive a travel subsidy.

**Credit:**

EDCS 433: 3 UH credits & PHYS 399: 1 UH credit

### *Malama I Ka 'Aina, Sustainability*

2008 is the International Year of the Reef. Learn to connect Hawai'i's environment to science lessons that are rigorous, relevant, and related to your students' lives and communities.

#### To Register

Pre-register with Pauline Chinn.

Class size limited to 15 participants.

#### Contact

Pauline Chinn

Phone: 808-956-4411

E-mail: chinn@hawaii.edu

### **EDCS 433 Interdisciplinary Science Curriculum, *Malama I Ka 'Aina, Sustainability***

This classroom and field-based course will

☛ build science knowledge in the contexts of place (*ahupua'a*), science, technology, and society (*mālama i ka 'āina*);

☛ develop your knowledge of research and theories of learning; and

☛ provide strategies to develop inquiry, culture, and place-based science lessons.

Qualifying teachers will receive a \$500 stipend

**Dates/Times:** June 16–July 2, 2008 (MWF), 8:30 a.m.–2:30 p.m.

**Instructor(s):** Pauline Chinn

**Location:** UH Mānoa and field sites

**Cost:** \$642.00

**Credit:** 3 UHM Outreach College credits

## Department of Educational Psychology (EDEP)

The Department of Educational Psychology promotes inquiry in human learning and development within the context of a diverse society. Major areas of study include human learning, human development, research methodology, statistics, measurement, and assessment and evaluation.

The department's MEd and PhD programs prepare individuals

to perform career activities—basic and applied research, teaching and mentoring—in universities, school systems, and other human service institutions and agencies, both public and private.

#### To Register

Apply as a UHM Outreach College summer student. Applications may be found online at [www.outreach.hawaii.edu](http://www.outreach.hawaii.edu). When you receive approval as a summer student, register for the course via MyUH ([myuhportal.hawaii.edu](http://myuhportal.hawaii.edu)).

Visit [www.outreach.hawaii.edu/summer/summerinfo.asp](http://www.outreach.hawaii.edu/summer/summerinfo.asp) for exact registration details.

#### Contact

Stacie Odo

Phone: 808-956-7775

E-mail: stacieo@hawaii.edu

### **EDEP 768C: Seminar in Educational Psychology: Learning Topic: Culturally-based Education for Native Hawaiians and other Culturally Diverse Students**

The primary focus will be on effective education of Native Hawaiians and students from other cultures.

Culture-basing will be discussed in relationship to

☛ general principles of effective pedagogy, and

☛ general principles of human development.

**Dates/Times:** June 16–July 9 (MTWR), 4:30–7:00 p.m.

**Instructor(s):** Roland Tharp

**Location:** UH Mānoa, Wist Hall, Room 129

**Cost:** UH tuition

**Credit:** 3 UH graduate credits

## Department of Educational Technology (ETEC)

The Department of Educational Technology (ETEC) offers a range of programs and courses to graduate students, undergraduate students, and lifelong learners. ETEC offers a master's program, a doctoral cognate, TIES (Technology Intensive Enhancement Series), and TAP (Technology Activators Project).

As an academic discipline, educational technology prepares individuals to be knowledgeable about learning resources (messages, people, materials, devices, techniques, and settings); about the processes for analyzing and devising solutions to technology issues through research, theory, design, production, evaluation, and utilization; and about the processes involved in organization and personnel management. The training prepares individuals for professional work based upon a body of knowledge rather than on routine tasks, work that is primarily intellectual and that carries a great personal responsibility. This type of work should not be confused with communications and instructional techniques, which form the basis of professional education in the discipline.

## To Register

Apply as a UHM Outreach College summer student. Applications may be found online at [www.outreach.hawaii.edu](http://www.outreach.hawaii.edu). When you receive approval as a summer student, pre-register for the course with the ETEC department. After receiving course approval from ETEC, register for the course via MyUH ([myuhportal.hawaii.edu](http://myuhportal.hawaii.edu)).

Visit [www.outreach.hawaii.edu/summer/summerinfo.asp](http://www.outreach.hawaii.edu/summer/summerinfo.asp) for exact registration details.

## Contact

**Educational Technology**  
Wist Hall 232  
**Phone:** 808-956-7671  
**Fax:** 808-956-3905  
**Web site:** <http://etec.hawaii.edu/>

## ETEC 414: Educational Media Technology

This course is an introduction to educational technology theory and practice, with an emphasis on meaningful integration of technology and media into a variety of face-to-face and online learning environments.

Prerequisite: upper division standing

**Dates/Times:** May 27–July 3, 2008  
**Instructors:** Annette Sherry  
**Location:** online  
**Credits:** 3 UH credits

**Dates/Times:** May 27–July 3, 2008  
**Instructors:** Annette Sherry  
**Location:** online  
**Credits:** 3 UH credits

**Dates/Times:** July 7–August 14, 2008 (TR), 1:00–3:45 p.m.  
**Instructors:** Ariana Eichelberger  
**Location:** UH Mānoa, Wist Hall, Room 131  
**Credits:** 3 UH credits

**Dates/Times:** July 7–August 14, 2008 (TR), 4:30–7:00 p.m.  
**Instructors:** Ariana Eichelberger  
**Location:** UH Mānoa, Wist Hall, Room 131  
**Credits:** 3 UH credits

## ETEC 430 Video Technology

This course provides an overview of video uses in educational contexts. Includes video planning, production, and simple editing procedures, as well as selection, evaluation, and integration into learning plans.

Prerequisite: upper division standing

**Dates/Times:** July 7–August 14, 2008 (MW), 4:30–7:00 p.m.  
**Instructors:** Matt Parcon  
**Location:** UH Mānoa, Wist Hall, Room 131  
**Credits:** 3 UH credits

## ETEC 442: Computers in Education

This course covers the planning and implementation of technology computer systems and applications for effective integration into classroom settings. Emphasis is on methods and strategies for using digital technologies to enhance standards-based learning by K–12 students.

Prerequisite: upper division standing

**Dates/Times:** May 27–July 3, 2008  
**Instructors:** Ellen Hoffman  
**Location:** online  
**Credits:** 3 UH credits

**Dates/Times:** July 7–August 14, 2008  
**Instructors:** Mike Travis  
**Location:** online  
**Credits:** 3 UH credits

## ETEC 620: Visual Design

This course covers the theory and practice involved in planning educational/instructional graphic and photographic material for print and computer-based media.

Prerequisite: consent

**Dates/Times:** May 27–July 3, 2008  
**Instructors:** Mike Menchaca  
**Location:** online  
**Credits:** 3 UH credits

## ETEC 644 Programming Concepts/Structures

This course includes concepts and structures of microcomputer instruction and laboratory experience.

Prerequisite: 442 or consent

**Dates/Times:** July 7–August 14, 2008  
**Instructors:** Mary Hattori  
**Location:** online  
**Credits:** 3 UH credits

## ETEC 698: Promoting Social Justice with Ed Tech

In this course students will be exploring theory, resources, and strategies that address issues of social justice through technology. Focus will be on emerging technologies, data-based decision-making, problem-based learning, and web-based resources.

**Dates/Times:** May 27–July 3, 2008  
**Instructors:** Mike Menchaca  
**Location:** online  
**Credits:** 3 UH credits

## Institute of Teacher Education (ITE)

The Institute for Teacher Education (ITE) offers undergraduate degrees in elementary and secondary education (BE<sub>d</sub>) and advanced degrees in teaching (ME<sub>d</sub>T). All programs focus on the educational needs of children and adolescents, teaching, learning and curriculum. The students at UH Mānoa are ethnically diverse as are the students in Hawai‘i’s school system. Students in ITE programs, therefore, learn and teach in a unique multicultural environment.

## Contact

**José Antonio (Tony) Torralba**  
**Cell:** 808-497-9233  
**Office:** 808-956-6517  
**E-mail:** [torralba@hawaii.edu](mailto:torralba@hawaii.edu)

## ITE404N

The course will incorporate ongoing efforts by STEM-Academies secondary teachers to develop a durable framework for reshaping and integrating school-based math, science, and technology curriculum.

**Dates/Times:** July 21, 2008 (in person #1), 9:00 a.m.–1:00 p.m.  
July 21, 2008 (in person #2), 9:00 a.m.–1:00 p.m.  
July 21, 2008 (in person #3), 9:00 a.m.–1:00 p.m.  
July 31, 2008 (online, Elluminate #1), 6:00–9:00 p.m.  
TBD (online, Elluminate #3), TBD  
August 6, 2008 (in person #4), 4:00–8:00 p.m.  
August 13, 2008 (in person #5), 4:00–8:00 p.m.  
TBD (online, Elluminate #4), TBD  
August 15, 2008 (online, Elluminate #2), 6:00–9:00 p.m.  
TBD (online, Elluminate #5), TBD  
August 27, 2008 (in person #5), 4:00–8:00 p.m.

**Instructor(s):** José Antonio (Tony) Torralba  
**Location:** Kauai Community College, LRC #128 and online  
**Cost:** \$214 per credit (UH Outreach College fee)  
**Credit:** 3 UH credits

## Ka Hana ‘Imi Na‘auao

Ka Hana ‘Imi Na‘auao is a science careers curriculum resource, nurturing Hawaiian scientists for Hawai‘i’s future.

## Contact

**Lisa Galloway**  
**E-mail:** [lisa.galloway@hawaii.edu](mailto:lisa.galloway@hawaii.edu)  
**Web site:** [www.cds.hawaii.edu/kahana](http://www.cds.hawaii.edu/kahana)

If you teach science, special education or Hawaiian studies, our free curricula may interest you. Our materials are designed to inspire your students to seek scientific knowledge – ka hana ‘imi na‘auao–

through the Hawaiian ways of knowing and doing which help all learners succeed: engaging activities, lessons with relevance, local career and college information, films and readings about Hawaiian scientists, and more!

We presented our new curriculum at two conferences on O‘ahu this spring, NHEA, March 27–28 and PacRim, April 15th.

If you missed these events, we can come to you! Between April and September 2008, we can visit your school and tailor our workshop to suit you. Just let us know your interests & needs!

Options include:

- 👉 a quick 1 hour overview of Ka Hana ‘Imi Na‘auao curriculum offerings
- 👉 a 2–3 hour introduction to this curriculum plus two others: Science in Hawai‘i & Kūkulu Na U‘apo (see [www.scihi.hawaii.edu](http://www.scihi.hawaii.edu) & [www.kukulu.hawaii.edu](http://www.kukulu.hawaii.edu))
- 👉 a 4–5 hour introduction of any of our curricula plus demonstrations by cultural practitioners to share ways you can integrate science with Hawaiian content, methods, and strategies and still meet the standards

## Department of Special Education (SPED)

The basic purpose of special education is to assist students who do not benefit from traditional educational programs. Special educators help others to teach persons who differ, either positively or negatively, from that which may be considered “typical” or “average.” The goal of the Department of Special Education is to provide university students with information about identifying and teaching persons with disabilities.

## To Register

Apply as a UHM Outreach College summer student. Applications may be found online at [www.outreach.hawaii.edu](http://www.outreach.hawaii.edu). When you receive approval as a summer student, register for the course via MyUH ([myuhportal.hawaii.edu](http://myuhportal.hawaii.edu)).

Visit [www.outreach.hawaii.edu/summer/summerinfo.asp](http://www.outreach.hawaii.edu/summer/summerinfo.asp) for exact registration details.

## Contact

**Dr. Patricia Edelen-Smith**  
**Phone:** 808-956-5598  
**E-mail:** [pates@hawaii.edu](mailto:pates@hawaii.edu)

**SPED 421: Strategies for Reading Difficulties**

This course provides an overview of methods, programs, and strategies for reading instruction designed to improve the performance of elementary students, grades K–6, who experience difficulties in reading acquisition, fluency, and comprehension. (A–F only).

**Dates/Times:** May 27–June 20 (MTWR), 9:00 a.m.–12:00 p.m.  
**Instructor(s):** Willa Drue Narkon  
**Cost:** Resident/Nonresident Tuition—\$214 per credit hour  
**Credits:** 3 UH credits  
**CRN:** 93659

**SPED 425: Partnerships with Families and Professionals**

This course covers the knowledge and skills for relating effectively with families and professionals on behalf of the children and youth with and without disabilities. Coverage of the context in which family members and school personnel interact. (A–F only)

**Section 601**

**Dates/Times:** May 27–July 3 (MW), 4:30–8:15 p.m.  
**Instructor(s):** Patrick Sheehey  
**Cost:** Resident/Nonresident Tuition—\$214 per credit hour  
**Credits:** 3 UH credits  
**CRN:** 93847

**Section 701**

**Dates/Times:** July 7–August 14, (TR), 9:00 a.m.–12:15 p.m.  
**Instructor(s):** Dawn Paresa  
**Cost:** Resident/Nonresident Tuition—\$214 per credit hour  
**Credits:** 3 UH credits  
**CRN:** 94535

**SPED 444: Educating Exceptional Student in Regular Classrooms—Elementary**

Learn skills for teaching elementary students with disabilities and those who are gifted/talented. This course will cover meeting academic/social needs, classroom management, motivation, and peer interaction. It also addresses collaboration between special and regular educators. An emphasis will be placed on instruction in writing. (Cross-listed as ITE 444)

**Dates/Times:** May 27–July 3 (TR), 4:30–7:45 p.m.  
**Instructor(s):** Rachelle Reed/Garnett Smith  
**Cost:** Resident/Nonresident Tuition—\$214 per credit hour  
**Credits:** 3 UH credits  
**CRN:** 93849 / TBA

**SPED 445: Educating Exceptional Students in Regular Classrooms—Secondary**

Learn skills for teaching secondary students with disabilities and those who are gifted/talented. This course will cover meeting academic/social needs, classroom management, motivation, and peer interaction. It also addresses collaboration between special and regular educators. An emphasis will be placed on instruction in writing. (Cross-listed as ITE 445)

**Dates/Times:** May 27–July 3 (MW), 4:30–8:15 p.m.  
**Instructor(s):** Linda Oshita  
**Cost:** Resident/Nonresident Tuition—\$214 per credit hour  
**Credits:** 3 UH credits  
**CRN:** 93849



**Make a date for summer Professional Development at the UHM College of Education. Contact us today!**



*Preparing educators to contribute to a just and democratic society.*

**2008**

**MAY**

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

**JUNE**

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

**JULY**

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

**AUGUST**

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

University of Hawai'i at Mānoa  
Curriculum Research & Development Group  
Marketing and Publication Services (MaPS)  
Castle Memorial Annex 101  
1776 University Avenue  
Honolulu, HI 96822