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Attachments:

Summer Session Enrollment
(http://www.uhh.hawaii.edu/forms/summer.php)

Application packet for scientific diving authorization
(http://www.hawaii.edu/ehso/diving/)

Reference material
(http://www.kmec.uhh.hawaii.edu/quest.htm)

Hawaiian marine organism reference list
Hawaiian fish identification list
Hawaiian invertebrate identification list
Hawaiian seaweed identification list

**all QUEST related information available at**
http://www.kmec.uhh.hawaii.edu/quest.htm

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**Questions related to QUEST**
Please contact:
UHH-MOP
200 W. Kawili St.
Hilo, Hi.  96720
Ph: 808-933-3907/974-7544
Fax: 808-933-0423, attn QUEST
Email: uhhmop@hawaii.edu
http://www.kmec.uhh.hawaii.edu/quest.htm

**Questions related to UH Diving during QUEST**
Please contact:
UH-EHSO, Diving Safety Program
Attn: Kevin Flanagan, Asst. DSO
2040 East West Rd.
Honolulu, Hi  96822
Ph: 808-956-6617
Fax: 808-956-6952, attn Kevin Flanagan c/o QUEST
Email: kflanagan@hawaii.edu, subject=QUEST
http://www.hawaii.edu/ehso/diving/
Overview of QUEST
Quantitative Underwater Ecological Surveying Techniques

QUEST is a field course offered through the University of Hawaii-Hilo campus which focuses on ecological monitoring of coral reefs using SCUBA. The course takes place during the last two weeks of May. Students will stay at Camp Kawaihae, and work from among the Puako coral reefs for the entire two weeks. Students involved in QUEST must have current University of Hawai'i Scientific Diver authorization valid throughout QUEST. SCUBA tanks and sampling equipment will be provided, but students will need to provide their own basic equipment including: BC, regulator, mask, snorkel, fins, weight belt, compass, wetsuit, felt-soled booties, and gloves. Students will also need to provide a sleeping bag, sleeping pad, linens and a water bottle for their entire stay during QUEST. An application for the QUEST program is included in this package. QUEST is composed of two different courses, QUEST (MARE 264) and Advanced QUEST (MARE 364).

**QUEST (Mare 264):**
Students who enroll in QUEST will learn commonly utilized nearshore underwater ecological surveying techniques and then apply them in the field using SCUBA as a research tool. Students will review the identification of common Hawaiian reef invertebrates, fishes and seaweeds. They will be introduced to a variety of surveying techniques including: visual surveying of fishes, surveying of benthic invertebrates, and photographic surveying of fishes and invertebrates. Additional lectures will cover basics in experimental design, statistical analysis, data reduction and graphic representation. Students will be in the field utilizing SCUBA to survey the coral reefs at Puako, Hawai'i. Finally, data will be reduced, analyzed, and presented in both an oral and written report. This class affords students a unique opportunity to learn and apply diving research techniques in a truly beautiful environment. Pre: authorization as a scientific diver in training before start of course, and consent of instructor

**Advanced QUEST (MARE 364):**
Students who have completed MARE 264 with at least a "B" grade may apply for admission to Advanced QUEST. Applicants who are accepted, will be assigned as dive team leaders for the basic QUEST course (MARE 264) and will be trained in team leadership and management skills. In this leadership role, advanced QUEST students will work with the diving safety officer and course faculty to monitor the safe diving practice of each member of their team, supervise the dive team's recording of data in the field as well as their reduction and analysis, anchor the team's written and oral presentations, and provide leadership for the team in all aspects of the QUEST experience. Team leaders will also assist in training students in identification of organisms. Admission by advance consent of the instructors and authorization as a scientific diver in training before the start of the course.

For further information contact:
Marine Option Program, ATTN: QUEST
Natural Sciences Division
University of Hawaii at Hilo
200 West Kawili Street
Hilo, Hi. 96720-4091
Phone: 808-974-7544/933-3907; Fax: 808-933-0423
E-mail: UHHMOP@Hawaii.edu, Subject: QUEST
http://www.uhhmop.hawaii.edu
Checklist for QUEST (May 15-28, 2011)

In order to enroll in QUEST all of the following items must be completed:

- Application Process
  - Submit completed QUEST application form, UHH summer session enrollment form along with payment no later then February 15, 2011. You may elect to pay the lab fee as a deposit at this time.
  - Possess a valid SCUBA certification from a recognized training organization.
  - If enrolled within the UH system, applicant will need to take a species ID test.

- Upon notification of acceptance into the course (by March 1) the following must be completed:
  1. If a balance is due, pay the remaining balance no later than April 15th, 2011.
  2. Review and study species from the lists found at the QUEST web page. You are expected to be able to identify these organisms by sight and scientific name before QUEST starts.
  3. Obtain CPR & 1st Aid certification valid during QUEST.
  4. Possess medical insurance that is valid in the state of Hawaii during QUEST.
  5. Meet the UH scientific diving program requirements for diving with the University of Hawaii. This included a complete physical exam as described in the University of Hawaii Research Diving authorization form. When Completed mail all UH diving related information directly to our diving safety officer as listed on the UH diving application form. UH-DSO, Attn: QUEST, 2040 East-West Rd, Honolulu, Hawaii 96822, email: kflanaga@hawaii.edu
Or, in lieu of item 5:

- 6. Obtain UH Diving Safety Officer written approval for UH certification via reciprocity with the student’s home institution. Please have this sent to the UH Diving Safety Office. For more information on this, please contact our diving safety officer at kflanaga@hawaii.edu.

- 7. Provide a copy of Divers alert network (DAN) insurance. If you do not have this, you can get this at: http://www.diversalertnetwork.org/insurance/

- 8. Provide proof of equipment service or new equipment purchase receipt valid for one year thru the month of May for your buoyancy compensator (BC & power inflator), Regulator (first & second stage, octopus & HP swivel spool).

- 9. Make travel plans to arrive at the Kona airport on the Island of Hawaii:
  Arrival;
  364 students May 15th no later then 11:00am
  264 out of state students, requiring a UH dive checkout, May 15th no later then 11:00am
  264 students who have completed a dive checkout, May 16th 12:00pm
  Departure;
  QUEST students will be delivered to the Kona airport by 10am, Saturday, May 28th and should plan accordingly, due to the proximity to the airport, we can only do one trip to the airport at the end of QUEST.

Highly recommended but not required:
- Emergency oxygen use course
- Rescue Diver training

Any questions concerning:
Your application or general QUEST related questions, please email: UHHMOP@Hawaii.edu, subject= QUEST

Scientific diver or diving related questions, please email: kflanaga@hawaii.edu

NOTE: Students will be prohibited from taking QUEST unless all items are completed before the start of the course by May 4th. There are NO exceptions!

Please keep this checklist and do not send in with application as this checklist will answer many questions you will have later!
QUEST Application Form
Quantitative Underwater Ecological Surveying Techniques
MARE 264/364

Submit the following no later than February 15 to the address above. You will be notified by March 1 if you have been accepted into the course.

☐ Completed application form below;

☐ Deposit required of total amount due or lab fee. Balance of payment due no later than April 15. Make checks out to UHH-CCECS;

☐ Photocopies of both sides of your SCUBA certification, medical & DAN insurance, First Aid & CPR cards;

A. General Information:

Course requested:  QUEST: Mare 264 ☐  Advanced QUEST: Mare 364 ☐

Name: ________________________________ Phone: ____________________________

Address: ________________________________

City: ______________ State: __________ Postal code: __________________

Social Security Number: __________________ E-mail address: __________________

College Attending: ______________________ Major: __________________________

Degree: _________ Expected date of graduation: _________ MOP campus advisor: _________________

Supporting college coursework: Please list marine-related, and/or computer courses you have taken.
(Attach additional sheets if necessary)

Course: ___________________________________________________________________________ Grade: _____

Course: ___________________________________________________________________________ Grade: _____

Course: ___________________________________________________________________________ Grade: _____

Course: ___________________________________________________________________________ Grade: _____

Course: ___________________________________________________________________________ Grade: _____
B. SCUBA Diving History: Please enclose a photocopy of both sides of your diver certification, First Aid, and CPR cards

Certifying Organization: ______________________________________________________________

Certificate ID number: ______________________ Year certified: ______________________

Number of SCUBA dives made to date: _____ Number of dives in the last 12 months: ______

Date of First Aid course: ________________ Date of CPR: ______________

AAUS/Scientific Diver Status (If applicable, please complete the following scientific diver information)

University Scientific Diver Authorization Number: ____________ Expiration Date: ____________

Authorizing Institution: ______________________________________________________________

Name of Dive Safety Officer: __________________________ Phone: _______________

Mailing Address: ___________________________________________________________________

E-mail address: ____________________________________________________________________

Do you wish to apply for UH certification via AAUS institutional reciprocity? __________

C. Medical Insurance information:

Please enclose a photocopy of both sides of your medical insurance card(s)

Insurance company: _____________________________ Insurance number: _____________

Special medical conditions (describe): ________________________________________________

D. Divers Alert Network insurance:

Please enclose a photocopy of both sides of your DAN insurance card.

DAN ID#: ________________ Valid Until: ________________

E. Essay:

Please enclose a short one-page essay, which discusses your academic and career goals and how QUEST will help you to attain these goals. In your essay, briefly summarize your diving experience and your experience with personal computers (during QUEST students will use IBM PC based statistical, word processing, and spreadsheet programs). If you are applying for Advanced QUEST, discuss why you are interested in being a team leader, and describe any additional experience that will help you to be an effective team leader.