QUEST (MARE 264) Overview:

- QUEST (Quantitative Underwater Ecological Surveying Techniques) is a 2-week field course held annually during the last 2 weeks of May on the island of Hawai‘i, and focuses on ecological monitoring of coral reefs using SCUBA.

- The program takes place at a field camp located on the west side of the Big Island of Hawai‘i. Students stay in the field for the entire 2 weeks, utilizing SCUBA to learn surveying techniques among the coral reefs along the southern rim of Kealakekua Bay.

- QUEST is a program of the University of Hawai‘i Marine Option Program (MOP), and earns credit through the University of Hawai‘i at Hilo’s Marine Science Department. Twenty-four students are accepted annually for QUEST (MARE 264). These 24 students are split into 6 teams, each led by a student Team Leader enrolled in Advanced QUEST (MARE 364).

- Students in QUEST learn commonly utilized near-shore underwater ecological surveying techniques and then apply them in the field using SCUBA as a research tool. They will be introduced to a variety of surveying techniques including visual surveying of fishes, surveying of benthic invertebrates, and photographic surveying of corals and other invertebrates. In addition to training in coral reef surveying techniques, students will review the identification of common Hawaiian reef invertebrates, fishes and seaweeds, and lectures will cover basics in experimental design, statistical analysis, data reduction and graphic representation. Finally, data will be reduced, analyzed, and presented in both an oral and written report.

- Students involved in QUEST must have authorization as a UH Scientific Diver in Training before the start of the course (contact the UH Hilo Unit Diving Coordinator for details; contact information follows). Admission to both courses is by advance consent of the instructors / QUEST faculty.

- SCUBA tanks and sampling equipment will be provided. Students will need to provide their own basic equipment including: BC, regulator, mask, snorkel, fins, weight belt, compass, depth gauge, timing device, full wetsuit, felt-soled booties, and gloves. Students will also need to bring a sleeping bag and sleeping pad and personal items. Tents are provided. A detailed packing list can be found at http://www.uhhmop.hawaii.edu/quest/packlist.shtml.
Cost: Tuition + Lab Fee (2015-based estimate – will be updated when the 2016 fees are announced)

<table>
<thead>
<tr>
<th>Tuition:</th>
<th>Lab fee:</th>
<th>Student Activity Fee:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resident undergraduate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>$277 x 3 credits = $ 831</td>
<td>MARE 264</td>
<td>$700</td>
</tr>
<tr>
<td>WUE/Pacific Islander</td>
<td></td>
<td></td>
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<tr>
<td>$328.50 x 3 credits = $985.50</td>
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<tr>
<td>Non-resident undergrad</td>
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<tr>
<td>$380 x 3 credits = $1140</td>
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<tr>
<td>Graduate res/non res</td>
<td>$551 x 3 credits = $1654</td>
<td>$35</td>
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</tbody>
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Airfare and transportation: Off island applicants are responsible for their own flight arrangements via Kona airport (KOA). Airport pickup on Sun 5/15 (364s and off island students requiring a UH checkout dive) and Mon 5/16 (264s) will be 10:15 am each day. Airport drop off Sat 5/28 will be 10 am. UH Hilo students will be transported to the site via University vans, which will depart from campus.

Deposit information: Please read carefully in order to understand the policy on refunding deposits.

MARE 264: $700 due with application. $250 not refundable upon acceptance to QUEST. $500 non-refundable after March 16 at noon. $700 not refundable after April 13 at noon.

Application Packet Components:

☐ Completed application (attached) – with deposit made out to “University of Hawaii at Hilo”. Due Feb. 16, noon HST.

☐ 80% or better on the Species Identification Exam - Arrange w/ MOP Coordinator for test date; access QUEST ID materials http://www.uhhmop.hawaii.edu/quest/species.shtml

☐ Enrollment in UH Hilo Summer Session. Go to http://hilo.hawaii.edu/admissions/Apply.php to apply. Application for summer classes opens in April.

☐ Valid SCUBA certification (NAUI or PADI) – photocopy of both sides of card with application

☐ Verification of status as a UH Scientific Diver in Training (DIT) - Coordinate with UH Hilo Unit Diving Coordinator Mauritius Bell at mvbell@hawaii.edu . UH Manoa students see UHM QUEST page http://www.hawaii.edu/mop/?q=quest.

☐ Requirements include a complete dive medical exam – details upon initiation of DIT process. It is strongly recommended that this process is started early. Students who live off-island should consider doing this over winter break.

☐ Verification of medical insurance that is valid in the state of Hawai‘i through the duration of QUEST – photocopy with application

☐ Valid DAN (Divers’ Alert Network) insurance valid through end of QUEST – photocopy of both sides of card with application) http://www.diversalertnetwork.org/insurance/ . Note that the Standard Plan does NOT cover other dive related medical expenses; past students recommend the Master Plan.

☐ (Optional for 264) DAN (or other) CPR and 1st Aid Certification valid through QUEST– photocopy of both sides of card with application. UH Students see Student Life Center schedule http://hilo.hawaii.edu/rec/Care.php

☐ Balance of tuition / fees due April 13, 2016

☐ Provide proof of equipment service valid through QUEST, or new equipment purchase receipt (details upon request), for BC and inflator, and regulator (1st and 2nd stage, octopus and HP swivel spool). May 4 deadline.
A. General Information:
What is your tuition status?
☐ Resident undergraduate
☐ WUE/Pacific Islander
☐ Non resident undergraduate
☐ Graduate, either resident or non-resident

Name: ____________________________ Phone: ____________________________

Address: __________________________________________________________________

City: ___________ State: _________ Zip / Postal code: _________________________

Student ID Number: _______________ E-mail address: _________________________

College Attending: ___________________ Major: ____________________________

Degree: ___________________________ Expected date of graduation: ______________

Participation in MOP Program? Yes ☐ No ☐ MOP campus advisor: _________________

Supporting college coursework: Please list marine-related courses, computer courses, statistics/research methods courses you have taken. List titles in addition to alpha codes (eg: MARE 350: Methods in Marine Sci) Attach additional sheets if necessary

Course: ___________________________________________________________________ Grade: _______

Course: ___________________________________________________________________ Grade: _______

Course: ___________________________________________________________________ Grade: _______

Course: ___________________________________________________________________ Grade: _______

Course: ___________________________________________________________________ Grade: _______

Course: ___________________________________________________________________ Grade: _______

Course: ___________________________________________________________________ Grade: _______
B. SCUBA Diving History:

Certifying Organization: _______________________________

Certification Level ___________________________________ Year certified: ________

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

Attached photocopy of both sides of diver certification card(s): □

(Optional for 264 / Required for 364) Date of First Aid course: __________________________

  Attached photocopy of both sides of card □

(Optional for 264/ Required for 364) Date of CPR course: __________________________

  Attached photocopy of both sides of card □

C. Medical Insurance information:

Insurance company: ____________________________ Insurance number: _____________

Attached photocopy of both sides of medical insurance card(s): □

Special medical conditions (describe): ___________________________________________

D. Divers Alert Network insurance:

Attached photocopy of both sides of DAN insurance card(s): □

  DAN ID#: __________________________ Valid Until: __________________________

E. Essay:

Please attach a one-page essay, which discusses your diving experience, your academic and career goals and how QUEST will help you to attain these goals. If you are an active MOP student, please include information about your association with MOP.

Office use only: Application Received at UHH-MOP (date/$)  Updated:23 Oct 2015