



QUEST 2018 Application Form

May 13-26

Advanced QUEST (MARE 364) 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. 24 students are accepted annually for QUEST (MARE 264) and 6 students are accepted to return as Team Leaders for Advanced QUEST (MARE 364). Admission to the course is by advance consent of the instructors / QUEST faculty.
- 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 who have completed MARE 264 with at least a "B" grade may apply for admission to Advanced QUEST. Accepted applicants will be assigned as dive team leaders for the basic QUEST course (MARE 264) and will be trained in team leadership and management skills, and 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.
- 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 (UDC) at uhdive@hawaii.edu for details). All Diving Safety Program forms should be submitted to your campus UDC, not to MOP staff.
- 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.uhmop.hawaii.edu/quest/packlist.shtml>.

Cost: Tuition + Lab Fee

Tuition:		Lab fee:	
Resident undergraduate	\$300.00/credit x 3 credits = \$ 900.00	MARE 264	\$700.00
WUE/Pacific Islander	\$367.50/credit x 3 credits = \$1102.50	MARE 364	\$200.00
Non-Resident undergrad	\$435.00/credit x 3 credits = \$1305.00	Student Activity Fee:	\$35.00

Airfare and transportation: Off-island applicants are responsible for their own flight arrangements via Kona airport (KOA). Airport pickups are on Sun 5/13 (for MARE 364 students and off island students requiring a UH checkout dive) and Mon 5/14 (MARE 264 students) at 10:15 am each day. Airport drop off on Sat 5/26 will be before 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.

Download and complete the deposit form at <http://uhhmop.hawaii.edu/quest/questapply.shtml>. Turn in the original signed copy by the application due date. \$700 is due with application. \$250 is non-refundable upon acceptance to QUEST. \$500 is non-refundable after March 21 at noon. \$700 is non-refundable after April 11 at noon.

Application Packet Checklist:

- Completed application (attached) sent electronically as a PDF to uhhmop@hawaii.edu – due February 28, noon HST. Use this format to for the application file name: “LastnameFirstinitial_MARE364_app.pdf”
- Original copy of the completed deposit form sent to Matt Connelly, 200 W Kawili St. Hilo, HI 96720 – due with application.
- 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 Dive Safety Office at uhhdive@hawaii.edu. UH Mānoa 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 during the fall semester or 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 (**Master Plan policy or above**) – photocopy of both sides of card with application <http://www.diversalertnetwork.org/insurance/>.
- DAN CPR and 1st Aid Certification valid through QUEST– required for 364; photocopy of both sides of card with application. UH Hilo students see Student Life Center schedule <http://hilo.hawaii.edu/rec/Care.php>
- DAN Oxygen Certification valid through QUEST– required for 364; photocopy of both sides of card with application.
- Balance of tuition / fees due April 11
- Provide proof of equipment service valid through QUEST. See your UDC for details. May 4 deadline.

Advanced QUEST Application Form – MARE 364

Marine Option Program, ATTN: QUEST
Natural Sciences Division
University of Hawai'i at Hilo
200 West Kawili Street
Hilo, Hi. 96720-4091
808-932-7601 Fax: 808-932-7295
UHHMOP@hawaii.edu, Subject: QUEST
www.uhhmop.hawaii.edu

A. General Information:

What is your tuition status?

- Resident
- WUE/Pacific Islander
- 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: _____

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):

Date of First Aid course: _____ Attached photocopy of both sides of card

Date of CPR course: _____ Attached photocopy of both sides of card

Date of DAN Emergency O₂ 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 Questions

Please briefly answer the following questions, being as specific as possible: (expand space as needed)

- 1. Describe your diving experience**

- 2. Where would you like to be in your career five years from now and, if applicable, how will participating in Quest 364 help you get there?**

- 3. What characteristics make you an exceptional candidate as a team leader at Quest?**

- 4. Describe a time where you had to deal with conflict in a professional/academic setting, and what you learned from it that may help you as a team leader at Quest.**

- 5. Describe a time that you felt you went above and beyond the call of duty in a class, at work, etc.**

- 6. Have you ever been on a team where someone was not pulling their own weight? How did you handle it?**

- 7. Describe your weaknesses as they pertain to a leadership role, and how will being a Quest team leader will help you improve them.**

- 8. Detail your leadership skills that pertain specifically to a dive setting. How would you handle a situation where you saw a team member do something that was 'unsafe' under water?**

- 9. Are you either currently involved with, or planning to be involved with, the MOP program, and doing a MOP Project? Explain.**