

2017-18 INSTRUCTIONALLY RELATED ACTIVITIES BUDGET REQUEST

Name of IRA Program: HSU Scientific Diving and Reefcheck California Annual Marine Monitoring

Course Title and Number: REC 471 Scientific Diving, REC 472 Leadership Diving Assistant Instructor

Faculty Program Director: Richard Alvarez

College and Department: CPS Kinesiology and Recreation Administration

Campus Phone: 4539

Email Address: rma1@humboldt.edu

1. Please describe the nature and objective of your activity and how it qualifies as an Instructionally Related Activity (IRA). Use the attached examples of evaluation criteria, reference in #3 provided by the IRA Committee. Address the issue of how the course/activity relates to the larger curriculum (i.e. general education, majors, minors, electives). What are the students expected to learn by the end of this course activity that they did not know before? Are there any special requirements for participating in this activity? Please be as clear and concise as possible in your response.

This IRA funding request is for travel and associated costs for a trip to the University of Southern California's Wrigley Institute for Environmental Studies (WIES) on Catalina Island for students enrolled in the PE 471 Scientific Diving and PE 472 Leadership Diving courses. This activity represents the culminating experience for students completing the Scientific Diving Minor offered through the Kinesiology and Recreation Administration department. While at WIES students will partner with Reefcheck California (http://www.reefcheck.org/rcca/rcca_home.php) to plan and conduct subtidal surveys as part of a statewide volunteer monitoring program. The data gathered by HSU students is submitted to Reefcheck's Nearshore Ecosystem Database for use by the community, management authorities, students, and researchers. Each student will be given the opportunity to act as Lead Diver, charged with: coordinating a group of 5 other students in their small group, working with 5 other Lead Divers to lay out the survey plan for a site, to work with the Diving Safety Officers and Boating Safety Officers of both HSU and USC, conducting the pre-dive and post dive briefing, and the deployment of their team in the water to successful survey 4 sites. In addition to this valuable leadership opportunity each student will put into practice the survey protocol learned in the classroom and practiced in the pool and local waters, which directly reflects concepts learned in this course and is complimentary to other marine science courses (Ichthyology, Phycology, and Invertebrate Zoology). Students with this type of field experience are valued in the scientific diving community, and several of our alum have used this training to land jobs with Reefcheck California, Channel Island National Parks, and other paid survey efforts throughout the state. This activity offers students the hands on opportunity to apply knowledge from the classroom into a real world application of the Humboldt State University Student Outcomes of: effective communication through written and oral modes, critical and creative thinking skills in acquiring a broad base of knowledge and applying it to complex issues, competence in a major area of study, succeeding in their chosen careers, taking responsibility for identifying personal goals and practicing lifelong learning, pursuing social justice, promote environmental responsibility, and improve economic conditions in their workplaces and communities.

2. How does your program meet all the General Requirements listed in #2 of the IRA Funding Guidelines? If the IRA Program no longer has a course title and number, please explain why it should still be eligible for IRA funding. All students are matriculated and enrolled. The activity is associated with the REC 471 Scientific Diving course, and the REC 472 Leadership diving course. This activity is a partnership between HSU and a community non-profit with the mutual benefit of the students receiving invaluable hands on learning, and Reefcheck California receiving data that is available to the citizenry of the State Of California. The funding requested reflects only the student costs. Associated costs for faculty and volunteer staff are covered by the KRA department or CPS. The activity will occur on November 20, 2016 to November 23, 2016.

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3. What is the instructor's level of participation in this IRA funded course and activity?

Richard Alvarez will be present to oversee the safety of the planned diving activity, and to help coordinate logistical components. The students are charged with conducting the surveys and collecting the data to be donated to Reefcheck California's Nearshore Ecosystem Database.

I have reviewed this Instructionally Related Activities Budget Request in its entirety:

IRA Program Director Name: Richard Alvarez

IRA Program Director Signature:

Department Chair Name: Rock Braithwaite

Department Chair Signature:

**Instructionally Related Activities
Request Spreadsheet
2017-18**

HSU Scientific Diving and Reefcheck California Annual Marine Monitoring

Line Item	Identify Priority: 1 = highest priority	Category (see definitions)	Total Funds Needed	Amount Requested from IRA	Difference	Other Source of Revenue			Explanation/break down of line item: if this line item includes per diem, what is the date(s) of the event(s)? (add attachment if necessary)	# of students directly served per year
						University / Associated Students	Fundraised	Student Contribution		
Ferry to and from Catalina Island	1	Transportation	1,500	1,500	0				\$750 charter fee for each way.	38
Facility Fee	1	Registration	760	760	0				\$5.00 per student(38) per day charged by USC to use the facility during the stay(4 days)	38
Scuba Tank air fills	1	Supplies and Services	1,632	0				1,632	Cost of \$12 per day per student(38) charged by USC to fill scuba tanks required for the survey dives(4 days)	38
Small Boat Rental	1	Transportation	450	450	0				Use of small boats on the island to transport students to dive sites.	38
Food and Lodging USC	1	Per Diem	10,640	10,640	0				38 Students will depart Arcata on 11/18/17 and arrive at the Wrigley Institute for Environmental Studies (WIES) the morning of Sunday 11/19/17 and depart Wednesday 11/22/17 (5 days, 4 nights).	38
Administratio n Fee	1	Registration	1,138	1,138	0				A mandatory 8% administrative fee is charged by USC for the trip.	38
Survey Equipment	1	Supplies and Services	2,210	0	2,210			2,210	Each student purchases their own survey equipment at a cost of \$65 per student.	38
Datasheets	1	Supplies and Services	220	0	220			220	Waterproof datasheets are provided by Reefcheck California.	38
Reefcheck CA training fee		Registration	7,500	0	7,500			7,500	Reefcheck waives the training/certification fee for HSU students enrolled in the REC 471 Scientific Diving course	38
TOTALS			26,050	14,488	9,930	0	7,720	3,842		
TOTAL REVENUE	26,050									
TOTAL EXPENSE	26,050									
REVENUE OVER EXPENSE	0									
2016-17 IRA Allocation	2017-18 IRA Allocation Request	Difference								
9,630	14,488	4,858								
The enrollment for the REC 471 class is expected to be 30, and the REC 472 course is expected at 8.										

