



## Instructionally Related Activities Funds Request Spring 2016

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### IRA Funds Request for Bio 450 - Ichthyology - Field trip to the Aquarium of the Pacific, Long Beach

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#### Instructionally Related Activities Funds Request Summary

<b>Project Sponsor</b>	Steven Norris
<b>Activity Title</b>	Bio 450 - Ichthyology - Field trip to the Aquarium of the Pacific, Long Beach
<b>Activity/Event Date</b>	To be determined
<b>Date Funding Needed By</b>	February 2016
<b>Previously Funded?</b>	Yes
<b>Semester/Year</b>	Fall 2015
<b>Proposal #</b>	708
<b>Report submitted for previously Funded Activity?</b>	No
<b>Report submitted for previously Funded Activity</b>	—
<b>Additional Report #1</b>	—
<b>Additional Report #2</b>	—
<b>Additional Report #3</b>	—
<b>Additional Proposers</b>	—
<b>Academic Program(s) / Center Name(s)</b>	Biology
<b>Estimated total Course Fee revenue</b>	960
<b>Amount Requested from IRA</b>	1800
<b>Estimated Number of Students Participating</b>	24
<b>Conditions and Considerations</b>	Field Trip
<b>Brief Activity Description</b>	The activity is a day trip to the Aquarium of the Pacific in Long Beach for the Ichthyology class (Biol 450). The trip will allow us to see a wide diversity of living fishes (and other creatures). There are two keys aspects of this trip. The first is to see a greater diversity of types of fishes than we have as specimens. The second is to see these fishes as living, breathing creatures. We can observe natural movements and behaviors and

	<p>reinforce the connection between biology in the lab and the biology of living things. I will guide the class through the aquarium as a group, and then will turn them loose to explore on their own or in small groups.</p> <p>I am applying for funds for 1 section of 24 students. Last time Bio 450 was offered, there were 2 sections (40+) students.</p>
<b>Learning Outcomes and Relation to IRA to Course Offerings</b>	<p>The class involved is Biol 450 Ichthyology (the study of fishes). Students from other classes are welcome to participate if there is room (and the smallest bus from Roadrunner Shuttle has a greater capacity than the expected class enrollment (1 section = 24).</p> <p>In lecture and lab, we explore the evolutionary history of fishes and many aspects of their biology, ecology and conservation/management. Observing living fishes would be quite useful in broadening understanding in any of these areas. However, working with living fishes is not easily accomplished on campus, and only a limited diversity occurs in local natural habitats. A day with the living resources of the Aquarium of the Pacific will greatly enhance lessons presented in class and lab.</p> <p>The assessment will come in the form of a notebook or journal the students keep during their visit. They will be asked to record anything they found or discovered of interest. In addition, I will provide a series of questions or quests that can be answered while exploring the aquarium.</p>
<b>Description of Assessment Process</b>	<p>The assessment process will take the form of a journal in which students will record any observations of interest to them. And in which they will respond to specific questions that I provide for them on the day of the trip.</p> <p>Assessment will also come in higher test scores, resulting from greater understanding of fishes and their world.</p>
<b>Activity Budget</b>	<a href="#">AquariumTravelBudget.xlsx</a>
<b>CIA Budget</b>	—
<b>CIA Proposal</b>	—
<b>Course Syllabus</b>	—
<b>CIA Certification</b>	—
<b>Other Sources of Funding</b>	<p>Course fees amount to \$40 per student. These are generally applied to supporting materials needed in the lab section.</p> <p>There is no other source of funding for this activity.</p>
<b>Target Audience/Student Marketing</b>	<p>The intended audience is students enrolled in Biol 450.</p> <p>If there is room, we will put the word out to students in other Biology classes that spaces are available.</p>
<b>Bring Benefit to Campus</b>	Students in the class return with an enhanced understanding of the world around them.
<b>Sustainability</b>	—
<b>Program Chair/Director</b>	amy.denton
<b>Dean</b>	karen.carey
<b>Acknowledgement</b>	I acknowledge that I have reviewed and accepted the Conditions and Considerations herein. Please check off boxes as appropriate.

#### Program Chair/Director Approval

<b>Approval</b>	I approve the IRA Funds Request described on this page
<b>Name</b>	Amy Denton
<b>Date/Time</b>	10/1/2015 10:12:15 AM
<b>Validation</b>	myCI-signin-DY-1131

#### Dean Approval

<b>Approval</b>	I approve the IRA Funds Request described on this page
<b>Name</b>	Karen Carey
<b>Date/Time</b>	10/1/2015 10:13:23 AM
<b>Validation</b>	myCI-signin-CG-7395

#### IRA Committee Decision

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Decision	—
Comments	—

Actions

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