



<http://www.csuci.edu/ira/index.htm>

Application
Instructionally Related Activities Funds Request
2013-2014 Academic Year

**DEADLINES: Application Submitted to AVP:
 Fall and Academic Year 2013-14: 03/01/13
 Spring 2014 deadline: 10/01/13**

Activity Title: UNIV 392: Science and Technology in Japan

Project Sponsor/Staff (Name/Phone):

Simone Aloisio (437-8999)

Activity/Event Date(s): Spring 2014

Field Trip – March 21-31, 2014

Date Funding Needed By: October/November 2013

***Please Note that for Fall Requests the earliest that you will be notified of funding availability will be early June 2013 and for Spring Requests early January 2014.*

Previously Funded? YES NO If Yes, what Semester/Year?
 Spring/Fall 2011
 Proposal(s) # 441_____

***If previously funded, please attach copy of post-event IRA Report**

Report submitted for previously Funded Activity?: YES NO

Academic Program or Center Name: Chemistry 781

Estimated total Course Fee revenue: \$ ~\$9,000

Amount Requested from IRA: \$41847 (Should match "Total Requested from IRA" on Page 5)

Estimated Number of Students Participating: 15

Conditions and Considerations

Please check if any of the following apply to your IRA:

Artist/Performer/Speaker Fees & Honoraria- On the Activity Budget, please indicate whether the vendor's price was set by you / CI representative, or is a fee that was set by the vendor themselves.

Large Event- For a large event, consultation with the campus Event Coordinator's office at (805)437-8548 is required.

Equipment Purchase- If requesting large equipment purchase -over \$200, or will be a fixture installed on campus- Project Sponsor must show proof of correspondence with OPC Administration. In addition, all other purchases must follow Procurement Guidelines.

Field Trip- Sponsor must comply with all policies found at <http://www.csuci.edu/hr/AcademicFieldTripGuidelinesandForms.htm>. If approved, Identified Risks of Participation and Release Agreement must be submitted for each student to the Program Office (Public Folders-HR Forms).

Involves Human Subject Data Collection for Public Dissemination -Requires IRB Approval. If Project Sponsor proposes to conduct research with human participants, the proposal may be subject to Institutional Review Board for the Protection of Human Subjects (IRB) review. All research that involves any type of interaction with human subjects – from simple surveys to complex biomedical procedures – must be reviewed and approved by the IRB *prior to* starting the research. Data for “Public Dissemination” indicates interviews/surveys that result in a journal/poster session/newsletter, etc.

Exempt from IRB Approval –If your project is exempt from IRB review, include copies of correspondence with IRB Board. It is the Project Sponsor's responsibility to inquire with the IRB *prior to* IRA application submission to determine if the project is exempt from IRB review so that funding is not delayed.

IT Requirements- If your activity has IT requirements, your application requires proof of correspondence and approval from IT Administration.

International Travel- Requires International Travel application be submitted to Center for International Affairs. Include copy of CIA budget and course syllabus in your IRA application.

Risk Management Consultation-Events that involve or engage students directly with a performer or artist (i.e. in a workshop or other than as a passive audience member) will require consultation with Risk Management. Requires proof of correspondence with Risk Management.

Space/OPC Requirements, Infrastructure/Remodel-Requires proof of correspondence with OPC Administration.

Late Submission - Requires explanation for emergency funding.

Other -

Application
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2013-2014 Academic Year

Requirements and Signatures

Please provide the following in your application:

1. **Brief Activity Description.** Describe the activity and its relationship to the educational objectives of the students' program or major.

Science and Technology in Japan (UNIV 392) is a class approved by the Center for International Affairs and will be offered in Spring 2014. I believe this was the first UNIV 392 class to be offered and funded by IRA. This is the 5th time this class has been offered. Science and Technology in Japan is a unique course designed to enhance the international perspective of students and stimulate interest in natural and life sciences. The class was developed with close counsel from the Center for International Affairs (CIA) and colleagues at Kyoto University. The class meets weekly during the semester. The course includes a field trip to Japan during the 2014 spring recess. I am seeking funding to subsidize the cost of fifteen students that will be enrolled in this class. In 2012, I added a service-learning component to the field trip portion of the class. In that, students did relief work related to the disaster of March 11, 2010.

We will again visit the Tohoku region of Japan. We will volunteer to help the recovery from the earthquake and tsunami that devastated the region in March of 2010. We will meet the people of Tohoku, and work side-by-side with other volunteers. In class, we will be discussing the disaster and recovery. We will start the trip off by immediately participating in the volunteer experience, which will launch from Tokyo.

After the volunteer experience, we will go to Kyoto. The city was the ancient capital of Japan for over 1000 years (794-1868) and is rich with both historical and modern treasures. The historic monuments of Kyoto include spectacular temples, shrines, gardens, a castle, and several imperial palaces that are preserved in exceptional condition and considered national treasures. The Kyoto region (Kansai) is also modern, serving as corporate headquarters for companies such as Sharp, Matsushita (Panasonic), and Nintendo. Kyoto is home to the best known temples in Japan, including Kiyomizu-dera, Kinkaku-ji, Ginkaku-ji and Ryoan-ji; as well as numerous shrines (which are free), a medieval Japanese Castle (Ni-jo), and most of the country's surviving imperial palaces. There is also a national museum in Kyoto, exhibiting art and archeological artifacts from the area. Traditional Japanese performing arts include Nō (Traditional Dance-Drama), Kabuki (Musical Performance), or Bunraku (Puppet Theater).

Enrollment in this course will follow UNIV 392 and Center for International Affairs guidelines. As was done on the previous class, all students will be notified about the class well beforehand, and students of any major will be accepted. All of the field trips will be linked to the case studies that will be the focus of the class. The case studies will enable students to observe natural and man-made phenomenon, and the class will dissect these down to their basic scientific principles. For this class, I hope that most of the case studies focus on the Tohoku disaster. Students will also have ample opportunity to interact with Japanese people. This class is a rarity in that it is a science class abroad. It thoroughly agrees with the Mission of CSUCI.

2. **Relation to IRA to Course Offerings.** All IRAs must be integrally related to the formal instructional offerings of the University and must be associated with scheduled credit courses.
 - a. Please list all classes that directly relate to the proposed activity.
 - b. For each class listed in #2a, describe in detail how exactly the IRA activity will be integrated with the class's activities, how often/ on what expected date(s), and to what extent.

The funds requested directly subsidize the travel portion of this UNIV 392 section. The field trip is central to the class, as is the service-learning component.

2. **Learning Outcomes.** List all expected learning outcomes, as connected specifically with each course listed in #2.

This is a unique course designed to enhance the international perspective of the student and stimulate interest in natural and life sciences.

This course is designed to provide the student with a basic knowledge of the following:

- The scientific method and how it is used to approach scientific problems and view natural and anthropogenic phenomena
- Specific examples of global issues that natural and life science are central to Japanese culture and the Japanese perspective

4. **Activity Assessment.** Describe the assessment process and measures that the program will use to determine if it has attained its educational goals. **Please note that a report will be due at the end of the semester.**

There will be a poster session where each student will be responsible for making a presentation on a topic related to one of the topics examined on the trip. This will serve as a post-trip assessment. Students will also be surveyed before and after the trip. The campus community will be invited to the poster session. In 2012, the poster session was done with two other classes that had significant field trips over Spring break. It was a tremendous success.

One of the criteria for selection of students for this trip is having the students think about what they can bring back to the campus from this experience. It is a privilege for students to participate in this type of class, and I am looking for students who will make the most of it by bringing something back for the CI community. The assessment report from the previously funded trip is attached.

5. **Activity Budget.** Please enclose a complete detailed budget of the entire activity. **Bold** specific items that you are requesting IRA to fund (Page 6).

Attached

6. **International Trips.** If your event is an international trip submitted through the Center for International Affairs, you must include a copy of the program budget as submitted to CIA (to ensure congruency between the two budgets), as well as a copy of the course syllabus.

Attached

7. **Sources of Activity Support.** Please list the other sources of funding (including course fees), and exact expected amounts of additional support for the activity.

Course fee will be a source of funding, and students will pay out-of-pocket.

8. **Audience/ Marketing/Promotions.** Who is your intended target audience? How will your event be advertised to students?

All students will be encouraged to apply. A diverse group from different disciplines is desired. Applicants will be selected based on the strength of their application. Students academic record will be factored in. Students will be notified by email and postings.

9. **Sustainability.** If appropriate, indicate how the content or delivery of the project promotes sustainability at CI.

I am open to ideas on how to make this more sustainable. Students will be asked to offset their carbon from travel on a voluntary basis.

10. **Images.** For previously funded IRA activities, include copies of images from past IRA activity or activities, demonstrating student participation and levels of students served.

I can provide electronic images with my application if needed. A very nice montage of the volunteer experience made by one of my students can be seen at the following website. It contains several photos of the activity.

<http://www.youtube.com/watch?v=XzvvBTpXYNQ>

11. **Acknowledgment.** Project Sponsor and Program Chair acknowledge that they have reviewed and accepted the Conditions and Considerations herein.

Please answer all questions under Course Information and sections II through IV. Complete the attached budget sheet. Attach syllabus and itinerary requested in sections I and IV. Print, sign and obtain Academic Chair signature. Submit form to Antonio Jimenez, BT 1275.

UNIVERSITY 392: INTERNATIONAL EXPERIENCE COURSE PROPOSAL

COURSE INFORMATION

Instructor(s): Simone Aloisio

Travel location(s): Japan

Dates of trip: March 21-March 31 2014

Course title: UNIV 392: Science and Technology in Japan

Number of units (1-3): 3

Academic area of the faculty proposing course: Chemistry

Faculty rank: Professor

Faculty email: simone.aloisio@csuci.edu

Proposed minimum enrollment: 9

Proposed maximum enrollment: 15

Grading method (letter grade, credit/non credit): letter grade

Do the dates of the program conflict with regular classes/faculty workdays? Y N

Have you offered this program before? Y N

I) SYLLABUS

Please, attach a syllabus for this course providing the following required information:

1. Professor's name(s), office location, office hours, contact information.
2. Course description, course content and format of the course (classroom lectures, field trips, seminars with local experts, etc.)? Include this information for the portions of the course that are conducted within the United States and within the international country. How will the content of the course you plan to teach be related to the travel-study destination?
3. Student learning outcomes and how they relate to the program/major outcomes and the University mission.
4. Required elements, which may include assignments, readings, attendance and course participation policies, etc.



5. Grade information as specified in the Channel Islands Policy on Grades (SP01-38)
6. Evaluation criteria (it can include student behavior as it relates to citizenship, punctuality, helpfulness, working well with the group, being responsible and respectful to the host culture and their people, etc.)
7. Academic honesty information as specified by the Policy on Academic Dishonesty (SP01-57)
8. Channel Islands Disability Statement
9. Tentative class schedule and itinerary (It is recommended to include a "subject to change" disclaimer)

Please respond to the following in the space after each item:

II) FACULTY INFORMATION

1. What is your own linguistic, cultural, and/or academic experience with the travel study destination? If you have limited experience with the destination, explain how you plan to maximize student safety (for instance, will you be using a local tour company or tour guide?)

I lived in Japan for almost one year in 2002 as a post-doctoral researcher. I have been back to Japan to work twice since 2002, once during the summer of 2005 for several weeks and once for a semester long sabbatical in 2011. Since 2006, I have taken a group of students to Japan as a UNIV 392 four times, with the last time being in 2012. I have led previous UNIV 392 classes to Japan in 2006, 2008, 2010, and 2012.

I am taking Japanese lessons and am currently at the "intermediate" level. I can read Japanese characters (hiragana and some katakana and a few kanji), and have very basic conversations, albeit with a very limited vocabulary. I managed to take a student to the hospital with my language skills during our last trip.

I have many colleagues and acquaintances in Japan, including people that I have worked with before for this class. In 2012, we had a facilitator to coordinate with the volunteer organization we were working with. I am always looking for academics working in Japan who can provide guest content to the course, and I have met a couple of new people since my last trip.

2. Previous experience leading groups of students (nationally or internationally).

We have offered this class four times, and I led groups from between 14-24 students in Japan. While there were students involved in international travel before 2006, I believe this was the first UNIV 392 course offered at CI. In 2012, I added a service learning component to the course, in which students volunteered in the area affected by the Tohoku earthquake and tsunami.

III) RECRUITMENT AND ORIENTATION

1. How will students be recruited? Regular CI students should have at least one recommendation from a faculty member other than the teacher for the overseas course.

I will make announcements and post fliers for this course. I really try to get a broad range of students from different majors. Students will be asked to provide two faculty references, and I discuss the student with at least one of them. In the past, I have always been able to fill this course, although one student had to drop one year. Students from almost every major have applied and been accepted for this class, including nursing, which had its first student enrolled in 2012. Students must apply the semester before the course is offered.

2. For whom is the course designed (CI undergraduate students, CI graduate students, students with a certain program area, open university students, others)? Will there be any priority order when accepting students to the program?

CI undergraduate students. How students answer application questions is taken into account as well. From the application answers, I look for students who can communicate clearly and concisely. I try to find student who are interested in participating in the class for sound academic reasons and to enrich their international perspective. I look for students who express creative and effective ways to bring their experience back to CI in their application. Every attempt will be made to include students from different majors and different backgrounds. Priority is given to students with strong academic backgrounds and good faculty references.

3. **Attach an outline for the orientation session(s) for students.** Make sure the orientation includes comments on the security of the country, both politically and medically, as determined from reports issued by the State Department.

IV) LOGISTICAL ARRANGEMENTS

1. Will your travel arrangements (e.g., accommodations, meals, excursions, airfare) be managed by an independent provider (e.g., AIFS, CEA, ISA, Australearn), a foreign university, or a travel agent? Please explain.

I will manage travel arrangements through an agent. HIS Travel has been used in the past because they handle Japan Rail Passes, and help with coordinating with volunteer organizations.

2. Housing: where will be the students stay during the study abroad experience? If staying with host families, are meals included?

During the volunteer experience in 2012, students stayed in temporary shelter in an abandoned hotel with the other volunteers. I am hoping the area is ready to accept students in homestays for 2014. I am not sure if meals are provided for homestays. When we go to Tokyo and Kyoto, students will stay in hotels and meals will be at restaurants or convenience stores.

3. Meals: Are meals arranged for the students? If not, where can students find their own food?

Meals are typically not arranged for students. Students can find their own food in restaurants or convenience stores in any major Japanese city. When we volunteered in 2012, there were no shops in the volunteer zone, so we went to the convenience store each evening to buy provisions. In some cases, locals prepared meals for us, which we had not anticipated.

4. Transportation: What are the transportation arrangements for the trip? If traveling from location to location, what means of transportation will be used?

Between the airport and our lodging, and between the airport and campus, we usually take a chartered bus. Between Japanese cities, we use trains - usually high speed rail. Within cities, we use the subway and bus systems, and there is a considerable amount of walking.

5. Safety/security: Please give a brief synopsis of the status of the security of the country, both politically and medically, as obtained from the Department of State. What arrangements have been made to maintain the safety and security of the students throughout the program?

From the syllabus:

Japan is a stable, highly developed parliamentary democracy with a modern economy. Tourist facilities are widely available. Crime levels are well below the US national average. However, crime does exist in Japan and being careless can result in loss of property or worse. Medical care is modern, abundant, and available in the places we will visit in Japan. Travel insurance is required. Please note that some over-the-counter and prescription drugs are prohibited.



Japan is one of the most seismically active areas of the world. We will be visiting and volunteering in the Tohoku region of Japan, and area devastated by a tsunami and earthquake. This area is still recovering from the aftermath of the March 11, 2011 disaster. We will be volunteering in this region during part of the trip.

We will not be staying in tourist accommodations during this part of the trip. Facilities will be safe, but spartan. We may not have hot or running water, refrigeration, private sleeping facilities, central heat, or other amenities. Volunteer work will be physical and we will be exposed to the elements, which may include rain, sleet, and snow. It may not be possible to accommodate your dietary restrictions.

6. Attach an itinerary for the trip, including side trips.

UNIVERSITY 392: SIGNATURE PAGE

1. Faculty member

- I have read the guidelines for teaching a UNIV 392 course and I agree to follow them.
- I agree to conduct at least one pre-departure meeting, in coordination with International Office staff, to cover Safety and Risk Management issues and required CSU forms.
- I understand the travel-study student evaluation process is mandatory and agree to participate.
- I have included in this application my UNIV 392 course syllabus
- I have included in this application my outline of orientation session(s)
- I have included in this application the course itinerary
- I have included my UNIV 392 budget sheet

Faculty Signature

Faculty Name (print)

Date

2. Academic Chair Approval

- I have read the Faculty Application and discussed the course offering with the faculty member.
- I certify that course of study is within the applicant's field of competence.
- I agree that the student learning objectives for the course can be met within the travel-study format, including appropriate pre- and post-trip meetings.
- I approve the offering of this course abroad.

Chair Signature

Chair Name (print)

Date

3. Center for International Affairs

- I approve the Chair's recommendation
- I have reviewed the travel arrangements proposed for this study abroad course and find the arrangements to be appropriate. Staff have also discussed the requirements specified in Chancellor's Office Executive Order 715 with the faculty member, and have advised him/her of the requirements that must be followed when offering this course in another country.
- The University acknowledges that the above program has been reviewed by the sponsoring Academic Area and staff and that the faculty member has been given policies and procedures related to short-term study abroad courses. The University will support this program as long as enrollments, other financial conditions, and related course costs are deemed appropriate. The University reserves the right to modify arrangements, in consultation with the Center for International Affairs and the sponsoring academic area.
- I have verified that there are no Department of State Travel warnings currently in effect for the countries to be visited.

OR,

- I deny the Chair's recommendation. Reasons:

Director Signature

Director Name (print)

Date



4. Administrative Approval

I approve this course

_____ Associate Vice President	_____ AVP Name (print)	_____ Date
_____ AVP of Extended University (if special session)	_____ AVP Name (print)	_____ Date
_____ Provost	_____ Provost Name (print)	_____ Date
_____ President	_____ President Name (print)	_____ Date

Orientation Outline
UNIV 392
Science and Technology in Japan

- I. Structure of the Course
 - a. Syllabus
 - b. Course Credit
 - c. Grading
- II. Applying and Enrolling in the Course
 - a. Applying for the Course
 - b. Enrolling in the Course
 - c. Getting a Passport
 - d. How students are selected
- III. Costs
 - a. Actual Cost
 - b. Course Fee
 - c. How much cash to take on the trip
- IV. Trip
 - a. Eating, sleeping, and using the toilet
 - b. Getting there and getting around
 - c. Free Time
 - d. Security and Safety
 - i. State Department State on Security in Japan
 - ii. General Safety and Security in Japan
 - iii. Safety and Security while volunteering
- V. Further Reading

Instructional Related Activities
Report Form

SPONSOR	DEPARTMENT
Simone Aloisio	Chemistry
ACTIVITY TITLE	DATE (S) OF ACTIVITY
UNIV 392 – Science and Technology in Japan	Spring 2012

PLEASE EXPLAIN (1) DESCRIPTION OF ACTIVITY; (2) HOW DID THE ACTIVITY RELATE TO A COURSE(S); AND (3) WHAT YOU LEARNED FROM THE PROCESS.

- 1) THE IRA FUNDS WERE USED TO PAY FOR A FIELD TRIP TO JAPAN DURING SPRING BREAK 2012. FUNDS WERE USED TO PAY FOR HOTEL, AIR, AND GROUND TRANSPORTATION MOSTLY. WE TRAVELLED TO TOKYO, KYOTO, AND THE TOHOKU REGION, WHERE WE VOLUNTEERED TO HELP THE EARTHQUAKE EFFECTED AREA RECOVER FROM THE DISASTER OF MARCH 11, 2011.**

- 2) THE COURSE MET WEEKLY DURING THE SEMESTER, BOTH BEFORE AND AFTER THE FIELD TRIP. THE FOCUS OF THE COURSE WAS JAPANESE SCIENCE AND TECHNOLOGY, WITH SPECIAL FOCUS GIVEN TO THE DISTASTER OF MARCH 11, 2011. STUDENTS CREATED POSTERS AND OTHER PROJECTS BASED ON LIBRARY RESEARCH OF TOPICS RELATED TO SCIENCE AND TECHNOLOGY IN JAPAN, AND PRESENTED THESE POSTERS TO THE CAMPUS COMMUNITY, WHICH INCLUDED STUDENTS OUTSIDE OF THE CLASS, OTHER FACULTY, STAFF, AND COMMUNITY MEMBERS. THERE WERE ABOUT 150 PEOPLE AT THE POSTER SESSION, WHICH WAS A COMBINATION OF 3 CLASSES THAT HAD FIELD TRIPS SPONSORED BY IRA. POSTERS REMAIN IN ALSIO HALL THROUGH COMMENCEMENT CEREMONIES, WHERE ABOUT 300 PEOPLE WILL GATHER FOR OUR POST-COMMENCEMENT RECEPTION. THE FIELD TRIP WAS INTEGRAL TO THE CLASS BECAUSE, ALTHOUGH WE DID SPEND MUCH TIME DISCUSSING JAPAN AND JAPANESE CULTURE IN THE CLASS, THERE IS NO SUBSTITUTE TO VISITING THE ACTUAL COUNTRY ITSELF AND EXPERIENCING THE CULTURE. THE VOLUNTEER EXPERIENCE ADDED A TREMENDOUS AMOUNT TO THIS COURSE.**

- 3) THIS IS THE FOURTH TIME THIS PARTICULAR CLASS HAS BEEN OFFERED AND I LEARN SOMETHING WITH EACH CLASS. THE VOLUNTEER EXPERIENCE DISTIGUISHED THIS CLASS FROM THE OTHERS. IT IS DEFINITELY SOMETHING I WANT TO KEEP DOING WITH THE CLASS. STUDENTS REALLY BENEFITTED FROM THAT PART OF THE TRIP. THE STUDENT PROJECTS THIS YEAR WERE A LITTLE BETTER THAN IN OTHER YEARS, I THINK BECAUSE THE STUDENTS FELT EVEN MORE ENGAGED THAN THEY HAD, WHICH WAS QUITE A BIT.**

****Please attach assessment forms from students, list of attendees, peoplesoft program report**

CHEM	2013
BIOL	2012
CHEM	2012
ART	2013
NURS	2014
BIOL	2012
BIOL	2012
CHEM	2013
CHEM	2012
BUS	2012
CHEM	2012
CHEM	2012
BIOL	2013
ESRM	2014
ENG	2013

THE STUDENTS ABOVE WERE THOSE ENROLLED IN THE UNIV 392 CLASS. THERE WERE AN ADDITIONAL 150 STUDENTS WHO ATTENDED THE PRESENTATION. THE PRESENTATION WAS DONE IN CONJUNCTION WITH OTHER IRA FUNDED FIELD TRIPS FOR SPRING 2012. THE POSTERS ARE BEING DISPLAYED IN ALISO HALL THROUGH COMMENCEMENT.

E-mail to the Dean's Office
30 days after activity

Orientation Outline
UNIV 392
Science and Technology in Japan

- I. Structure of the Course
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 - i. State Department State on Security in Japan
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 - iii. Safety and Security while volunteering
- V. Further Reading

Science and Technology in Japan
UNIV 392
Spring 2014

Course

Description: This is a general education course that includes a field trip to Japan. We will examine case studies that relate natural and life sciences to Japanese culture and life. On March 11th 2011, the Tohoku Earthquake and subsequent disaster devastated parts of Japan. Northern Honshu was the area most affected physically, but the people of Japan and worldwide were also affected as a whole. We will discuss the Earthquake and its affects in class. In Japan, we will visit Tokyo, Kyoto, and the Tohoku region. We will be volunteering to help rebuild the earthquake affected region. Tokyo is the modern capital. It is one of the largest and most modern cities in the world. Kyoto is the ancient capital of Japan. It was the seat of power for over 1000 years (794-1868) and is rich with both historical and modern treasures. At CSUCI, we will have regular class once a week discussing some aspects of the class. This class will be student driven, with students presenting most of the content. After the trip you will work on your project. At the end of the semester, there will be a poster session where you will present your project. This class is designed for CSUCI students (sorry, no guests), and will be limited to 15 students.

Instructors: Simone Aloisio
207 Aliso Hall
Phone: (805) 437-8999
E-Mail: simone.aloisio@csuci.edu

Course Time: Tuesday 6:00 PM – 8:50 PM.

Place: BT 1372

Prerequisites: Consent of instructor

Course Credit

and Contact Hours: Students will receive 3-units of credit for this course.

In addition to on-campus (CSUCI) meetings, this class includes a field trip to Japan. In Japan, we will be doing volunteer work and have cultural field trips. Students can expect 10-16 contact hours per day on the trip.

All activities and meetings are mandatory.

Trip Dates: Mar 21st : We will leave
Mar 31st : We will return

Science and Technology in Japan
UNIV 392
Spring 2014

Security and Health:

Japan is a stable, highly developed parliamentary democracy with a modern economy. Tourist facilities are widely available. Crime levels are well below the US national average. **However**, crime does exist in Japan and being careless can result in loss of property or worse. Medical care is modern, abundant, and available in the places we will visit in Japan. Travel insurance is required. Please note that some over-the-counter and prescription drugs are prohibited.

Japan is one of the most seismically active areas of the world. We will be visiting and volunteering in the Tohoku region of Japan, and area devastated by a tsunami and earthquake. This area is still recovering from the aftermath of the March 11, 2011 disaster. We will be volunteering in this region during part of the trip.

We will not be staying in tourist accommodations during this part of the trip. Facilities will be safe, but spartan. We may not have hot or running water, refrigeration, private sleeping facilities, central heat, or other amenities. Volunteer work will be physical and we will be exposed to the elements, which may include rain, sleet, and snow. It may not be possible to accommodate your dietary restrictions.

The US State Department Consular Information Sheet on Japan can be found at: http://travel.state.gov/travel/cis_pa_tw/cis/cis_1148.html

Learning Objectives:

This is a unique course designed to enhance the international perspective of the student and stimulate interest in natural and life sciences.

This course is designed to provide the student with a basic knowledge of the following:

- The scientific method and how it is used to approach scientific problems and view natural and anthropogenic phenomena
- Specific examples of global issues that natural and life science are central to
- Japanese culture and the Japanese perspective

Channel Islands Disabilities Statement:

Cal State Channel Islands is committed to equal educational opportunities for qualified students with disabilities in compliance with Section 504 of the Federal Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) of 1990. The mission of Disability Accommodation Services is to assist students with disabilities to realize their academic and personal potential. Students with physical, learning, or other disabilities are encouraged to contact the Disability Resource Programs at Bell Tower 1541. Email- accommodations@csuci.edu, phone- (805) 437-3331, for personal assistance and accommodations.

Adjustments to this Syllabus:

Information contained in this syllabus, other than that mandated by the University, may be subject to change with advance notice, as deemed appropriate by the instructor

