

PARTICIPANT SYLLABUS

**Centers for Ocean Sciences Education Excellence-West
Online Workshop: “Marine Protected Areas and the Marine Life Protection Act”
March 16, 2009 – April 3, 2009**

*****All pertinent paperwork MUST be submitted to California State University, Fullerton by SNAIL MAIL. They DO NOT accept registration paperwork via fax or online anymore!**

1 Credit

Course Title: COSEE-West “Marine Protected Areas and the Marine Life Protection Act”
Online Workshop

Course Description:

The Centers for Ocean Sciences Education Excellence-West (COSEE-West) will host this virtual teacher workshop on marine protected areas (MPAs) and the marine life protection act (MLPA). Content material will cover the process and scientific basis of designating specific areas of the southern California coastline to be given various levels of protection (from commercial fishing, recreational activities, sport fishing, etc.), the effectiveness of protecting marine habitat on the organisms inside an MPA versus outside, as well as the effects of human activities (such as collecting at the shoreline, trampling of organisms) on the organisms inside and outside of MPAs. Lectures will include research in these areas from Dr. Satie Airamé, UC Santa Barbara, Dr. Christopher Lowe, California State University, Long Beach and Dr. Steven Murray, California State University, Fullerton. Participants will have the unique opportunity to interact online with faculty and research scientists as well as educators from around the world.

Instructors:

Lynn Whitley and Jane Lee

Contact information:

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Course Outline:

- 3/16 – 3/20/2009 *Keynote Speaker:* Dr. Steven Murray (California State University, Fullerton) will discuss the types of human activities most exhibited along the shoreline (collecting, trampling, etc.), both within and outside of MPAs, and their effects on intertidal organisms. He will also discuss the state of MPAs around the world, their varying levels of protection and his experiences on some of the science panels advising the formation of MPAs in southern California.
- 3/23 – 3/27/2009 *Keynote Speaker:* Dr. Satie Airamé will discuss the process of setting up marine protected areas (MPAs) under California’s Marine Life Protection Act, the various

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departments and groups involved, and how the public can contribute to protecting valuable marine resources for future generations.

- 3/30 – 4/3/2009 *Keynote Speaker*: Dr. Christopher Lowe (California State University, Long Beach) will discuss the science behind MPAs and their effects on the ecosystems they aim to preserve.
- Various scientists, administrators and members of the MLPA stakeholders group will be online over the course of the three weeks to interact with participants in daily discussion and question /answer sessions.

COURSE REQUIREMENTS:

*****All pertinent paperwork MUST be submitted to California State University, Fullerton by SNAIL MAIL. They DO NOT accept registration paperwork via fax or online anymore!**

*****All inquiries regarding procurement of transcripts or confirmation of registration must be addressed DIRECTLY to California State University, Fullerton. We at COSEE-West have no control over or access to their paperwork processing.**

1. Join and read each of the **three keynotes’ presentations** as well as participate in discussions of their lectures. Attendance and time spent online will be verified using the monitoring feature of our Caucus software.

- Participants must post a **minimum of one discussion question for each keynote speaker** sometime during the 5 weekdays allotted for discussion of each lecture.
- The speaker will **ONLY** be online for five days during the week (Monday through Friday). You **MUST post your question during this time**, as well as allow time for the speaker to respond (i.e. posting a question at 11:59pm Friday not will **NOT** count).
- “Listen” to all 3 Keynote speakers, ask questions, explore weblinks: 9 hours

2. Participate in **breakout sessions in the discussion rooms** with other educator participants regarding classroom application of content, ask questions, respond, explore additional weblinks: 6 hours

- Discussions about the lesson plan you have to turn in, how to make it more inquiry-based or hands-on, topics of interest for those lessons, collaborations, etc. are all examples of the kinds of topics that may be discussed.
- Also, if you would like more information about a particular topic that perhaps the speaker did not address or you thought of later (and did not get a chance to ask), posting such a request/question in the discussion room is appropriate.

3. Answer the **“question of the week”** in the graduate credit room. The question will be related to the Keynote topic.

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- Please make sure to check your item in the graduate credit room at least once every day, as the instructors may ask you to elaborate on your responses or clarify a point.

4. Develop **one inquiry-based lesson plan** for use in the classroom based on the topics presented in the lectures. This lesson plan will be posted online on the COSEE-West website (<http://www.usc.edu/org/cosee-west/>).

- Please keep in mind that **your lesson plan should be as hands-on and inquiry-based as possible**. Having students explore weblinks is fine as an engagement activity, but it should not comprise the entirety of your lesson plan.
- Your lesson plan **should not be a reiteration of any lesson plans that were presented by the instructors during the course**. Your lesson plan may be inspired by something previously presented, but it should be mostly your own work.
- Your lesson plan **MUST** also be aligned to education standards. The standards will depend on where you are (obviously), but your lesson plan **must include alignment to state education standards, national education standards, or both**.
- A topic and a brief outline of your lesson plan will be due half-way through the course (**Thursday, March 26, 2009, 5pm Pacific Standard time**), with the actual lesson plan due by **Monday, April 6, 2009, 5pm Pacific Standard time**.
- Should you wish to collaborate with a fellow teacher on a lesson plan, you **MUST** let the instructor know you are doing so. The resultant lesson plan should also be more involved than a lesson plan done by one person.

5. Complete **BOTH the pre- and post-workshop evaluation**. The surveys will be posted online and will include questions about the participants’ individual learning as well as the workshop format, structure, and content.

- Once you have completed the evaluations, you **MUST let your instructor know** you have completed it so that they can give you credit. You can let them know either online in the graduate credit room, or by email.

COURSE ASSESSMENT:

Instructors to ascertain that all requirements have been met as stated above.

DROP PROCEDURES:

If you do not wish to participate in the course after having registered (i.e. you wish to drop the course), you must do so through California State University, Fullerton BEFORE the course ends. Otherwise, you will still be on the official course roster and must be given a grade of “fail” if you have simply stopped participating and have not told anyone.