

July 27, 2009



**EEOS 525—Environmental Science Content Institute (ESCI)
Course Requirements**

Instructor: Bob Chen, Environmental, Earth and Ocean Sciences, UMassBoston
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Location: Wheatley – 6 – 047
Time: August 19-25, 2009, 9:00 am to 5:00 pm & November 14, 2009, 9:00-3:00
Course #: xxxxxx, 3 Credits
Cost: \$295

Course Description: This course is designed to use environmental sciences as an integrating context for teachers of middle school science. Field experiences in and activities drawn from the Neponset River Watershed will enhance the teaching of middle school earth science, life science, and physical science curricula. A conceptual framework for environmental sciences will connect field experiences to Massachusetts state curriculum frameworks.

Requirements:

- 1.) Attend August 19-25 and November 14, 2009 workshops.
- 2.) Actively participate in Field and Hands-on activities
- 3.) Complete Take-Home Exam (Due September 25, 2009)
- 4.) Develop Lesson Plan based on ESCI experiences
- 5.) Implement Lesson Plan in the classroom
- 6.) Develop Evaluation of Lesson Plan and implement Evaluation
- 7.) Share Lesson Plan and Evaluation with other EEOS 525 students on Nov. 14 and have lesson plan placed on the WISP web site.

Evaluation:

Active Engagement in Field, Hands-On, and Participatory activities	30%
Take Home Final Exam (Content)	30%
Development, Implementation, and Self-Evaluation of Lesson Plan based on ESCI experiences	40%

Note: This is a Fall, 2009 course. A letter grade will be assigned at the end of the Fall, 2009 semester. In the case an Incomplete is assigned in Dec., 2009, all course requirements must be completed before December, 2009 or the grade will automatically be converted to a Fail.

Follow-Up Day: Saturday, November 14, 9:00-3:00, UMassBoston

Fellows and Teachers will share Lesson Plans and Self-Evaluations of Lesson Plans implementation. In this way, Teachers will have the opportunity to use 6-13 lesson plans based on the ESCI content learned in August. Evaluations will help guide which plans are most likely to succeed.