



**Summer 2008 Course Syllabus: Educ 5570, Section 241**  
**Exemplary Models for Science Education**  
Professional Development for Professionals and Paraprofessionals

**Instructor of Record:** Bruce Munson, Ph.D., Professor in the Department of Education  
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**Onsite Facilitator and Instructor:** Robin G. Goettel, Associate Director for Education,  
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**Dates:** August 2-8, 2008

**Location:** Chicago, Illinois

**Program Description:** The Center for Ocean Sciences Education Excellence (COSEE) Great Lakes, in partnership with the Great Lakes Sea Grant Network and UMD is offering a special credit option for its “COSEE Great Lakes: Lake Michigan Exploration” workshop for science researchers and educators. The workshop includes classroom and field programs, working with scientists, examining curricula and resources, and exploring classroom activities relating to the Great Lakes and ocean resources, for a total of 30 instructional hours. Participants completing the workshop may register for two UMD collegiate graduate credits.

**Summer 2008 Course:**  
**Educ 5570 section 241** *Exemplary Models for Science Education.*

**Required Readings and Resources:** Materials will be distributed by COSEE Great Lakes, including URL resources.

**Facilitator:** Robin Goettel, Associate Director for Education, Illinois-Indiana Sea Grant Program, is the primary facilitator for this course that will include presentations by Great Lakes scientists and educators.

**Learning Outcomes:** Course participants will be able to:

- Develop a reflective journal based on class activities;
- Develop an electronic learning project or a curriculum development project;
- Complete a curriculum integration plan for continuation of course ideas and scientist interaction;
- Participate in all aspects of program evaluation.

**Requirements for UMD Collegiate Graduate Credit:**

- Full participation and attendance in all class activities;
- Participate in all aspects of program evaluation.
- Develop a reflective journal based on class activities. The journal will include the participant's workshop notes and daily reflection entries. Reflections should include comments and reactions to what has been learned and thoughts about how it might be applied to the participant's teaching situation.
- Develop a curriculum integration plan for the implementation of course content into the participant's teaching situation. The integration plan will briefly describe implementation ideas in a 2-5 page outline or narrative. The plan needs to include enough detail so other teachers could read the plan and envision how they might use or adapt the plan.
- Develop and submit a summary application paper. The paper will briefly summarize the content of two additional scientific journal articles related to the course content and then reflect on how that content relates to the participant's curriculum. Completion of this paper requires finding and reading scientific papers beyond those distributed at the workshop. The summary application papers are typically 3-4 pages in length.
- The reflective journal, curriculum integration plan, and summary application paper are all submitted to Robin Goettel, the onsite course facilitator and instructor.

**Completion Deadline:**

Assignments should be turned in as email attachments to Robin Goettel by September 2, 2008. Grades will be submitted per UMD guidelines.

**To obtain grades/UMD transcript:**

To view a transcript or print an unofficial version, you need to use your UMD username and follow these steps to initiate your UMD student email account.

1. Login to UMD to determine your UMD username: <http://www.d.umn.edu> click on "people" and type your name. Record the 8 alphanumeric username assigned by UMD.
2. Login to <http://www.d.umn.edu/itss/email>.
3. Click "initiate your account."
4. Enter your social security number, UMD ID number, and birth date, ex. 07/20/1965.
5. Type a password at least 8 digits/letters/characters, ex. Djk65\$++.
6. Click "submit form" and your account is activated.
7. You may view your grades, print an unofficial transcript or request an official transcript to be sent directly to your principal (\$8.00 per official transcript payable to UMD).

Print a transcript form by following this link: <http://www.d.umn.edu/registrar/transcripts.html> and select the PDF version or the online version (requires major credit card payment).

To print an unofficial transcript, login to URL: <http://www.d.umn.edu/registrar/transcripts.html>

If you need your password reset, call UMD ITSS Computing Services at 218/726-8847.

For additional assistance, please call Mary Jean Menzel at 218/726-6938 or by email: [mmenzel@d.umn.edu](mailto:mmenzel@d.umn.edu). If you require special accommodations, please contact the instructor.

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