***Towards a Sustainable Forestry for the 21st century***

**Course Description: Sustainable Forestry** is a 4 credit MES program elective (Fall 2010) that provides introduction to forestry, forest management and the forces of change that are influencing forest management in the Pacific Northwest. The overall course objectives are:

* To understand the catalysts and complexities of moving toward a more sustainable forestry practice both in the PNW and globally;
* To learn more about the forces that are shaping progress in natural resources management;
* To Improve your ability to read, summarize and understand scientific literature influencing changes in forestry;
* To expose you to a diverse set of perspectives on sustainable forestry and natural resources management.
* To expose you to important ecological issues currently faced by natural resource professionals and to show how knowledge of ecology can help you understand and solve similar problems.

**Instructor:** Richard Bigley **Phone Number:** 360.485.2761 **Email**: bigleyr@evergreen.edu

**Class resources via moodle Website**: <http://www2.evergreen.edu/moodle/> under Sustainable Forestry. PDF versions of all class materials, including presentations, articles, etc. will be posted on the website. There is no need to buy a text book.

**Class Meetings:**

*Lectures***: Wednesday evenings from 18:00 to no later than 22:00** **Sem2 building A room A2109**

***Field Trips*:**.

Saturday Oct 2nd 0730 to 1700 Lake Quinault area old growth, variation in forest management by landownership and forest and fish habitat interfaces.

Sunday October 10th 0730 to 1700 Mt. Rainer ecosystem classification, riparian forest management and Northern spotted owl habitat management.

Sunday October 17th 0830 to 1600 Capital Forest silvicultural systems and experimentation for a “new“ forestry. This will be a shorter, local trip.

**Be prepared for field work on field trips:**

This class emphasizes field-based, hands-on experience with forest ecology and ecosystem analysis, which requires traveling off trail in potentially rough conditions. You need to be properly attired and have the proper equipment. Please come prepared for spending the day in the forest. This includes wearing sturdy shoes and long pants (shorts and sandals stay in the van), maintaining your metabolism (food and water), and protecting yourself from the environment (rain gear, suns protection, etc.). Please care for yourself and know your limits in all weather. Safety on field trips is a shared responsibility. Take it seriously. Each field trip will begin with a safety briefing.

**ATTENDANCE/CREDIT**:
Attendance at lectures, discussions, and field trips is REQUIRED. Absence from class without alternate arrangements is noted. If you miss > 10 hours of class time without prior arrangements you will lose credit.

**ASSIGNMENTS/EVALUATION:** I will use four areas to evaluate your progress toward course goals: participation in lectures and discussion, presentations to the class, and participation in seminars will help you synthesize salient information and provide practice speaking in a safe environment.

1. **Participation and contribution to the class:** Each of us brings something to the class, whether it is information, experience, insights or thoughtful questions. Make the best contribution you can. Remain objective.
2. **Summary of current literature:** During seminars each student will be responsible for reporting to class on articles from the peer-reviewed literature relating to sustainable forestry. We will discuss different approaches to preparation.
3. **Class notes:** Students and new hires routinely confess, that as time passes, the value of past course work diminishes quickly if there is no way to review the material. In addition, note taking and effective summaries are a skill that needs to be developed and maintained. Taking good notes that are of value to you is a good way to hone those skills. A review of your class notes will be part of the evaluation conference process.
4. **Final exam:** Some people express themselves better on paper than verbally. This open notes exam is your opportunity to show how you can apply your new found knowledge to current issues in natural resources management.