

ES 491/591: Stratigraphy and Depositional Systems (CRN 10509/10510)**Fall 2006****Instructor:** Dr. Jeff Myers**Office:** NS214**Ph:** 838-8365**email:** myersj@wou.edu**Office Hours:** M-W 12-1, Thurs 8-9 and 11-12, by appointment, or any time my door is open**Text:** Notes will be supplied

Objectives of the Course: Stratigraphy and depositional systems is a general interest course with no prerequisites. The course will introduce sources of geological information and analysis techniques that are used to reconstruct ancient landscapes and the processes that shaped them. The course emphasizes the synthesis of geological observations to interpret the features of ancient depositional systems and the processes that shaped them.

Week of	Topic
1) Sept 25	Introduction to depositional systems Sedimentary data
2) Oct 2	Sedimentary structures 1: bedforms and other syndepositional features Sedimentary structures 2: post-depositional structures
3) Oct 9	Sedimentary structures activity QUIZ #1
4) Oct 16	Introduction to sedimentary sequences Sedimentary facies and facies transitions
5) Oct 23	Facies activity Basins and their exploration
6) Oct 30	Continental facies 1: alluvial fans and desert environments Continental facies 2: braided rivers QUIZ #2
7) Nov 6	Continental facies 3: meandering river systems Continental facies 4: eolian systems and ancient lakes
8) Nov 13	Transitional facies 1: the shoreline and ancient beaches Transitional facies 2: deltas
9) Nov 20	Marine facies 1: the continental shelf and shelf deposits NOV. 22 Take Home QUIZ #3
10) Nov. 27	Marine facies 2: the slope and abyssal system, deep sea channels Marine facies 3: turbidity currents and turbidites

Final Examination: Mon, Dec. 4, 4:00-6:00

Grading (ES 491):	In class activities	20%
	3 quizzes	40%
	Final	40%

POLICY

Grade Assignment:

My grading policy is simple. Grades will not be curved; however the grading scale is adjusted in such a way that the highest score given for any test or assignment is equivalent to a 100% score. Hence, if the highest grade given on a midterm is 93/100, grades will be calculated out of a score of 93, rather than 100. The mean percentage for my courses is approximately 78%, or a C+. You may feel overwhelmed by the material, but chances are that you are doing better in the class than you think. In general: > 89% = A(+/-); 80% – 89% = B (+/-); 70%-79% = C (+/-); 60-69% = D (+/-); < 60% = F

Graded Assignments and Policies:

- Quizzes will be announced one or more lectures beforehand. Quizzes will NOT be cumulative, and may not be made up without a formal WRITTEN explanation. BLANKET EMAILS FROM YOUR COACH/CLUB ADVISER/PROFESSOR ARE NOT CONSIDERED “FORMAL”, and I do not read them. The final examination WILL be cumulative.
- If for any reason you expect to miss class, **let me know beforehand if at all possible**. If you are going to be out of town for a game, you MUST tell me personally beforehand. There are no exceptions to these rules. If you cannot reach me, contact the Office of Student Affairs (88821), and they will notify me.
- If you would benefit from an alternative testing environment I encourage you to work with the Office of Disability Services (Werner Center 012 phone 88250).
- Cheating or copying in either lab or lecture is unacceptable, and will result in a ZERO score on that assignment, and may result in consequences at the administrative level.
- I do not assign incompletes in class for any reason unless instructed by the Dean’s office
- Office hours are YOUR time. Please use them to your benefit. If you would like to organize a study group with me regularly during office hours, please do it. If you need to see me at another time, please stop by my office or call. If I’m busy at an alternative time, please don’t take it personally.

NOTE ON USE OF COMPUTER TECHNOLOGY Local and system-wide malfunctions are a normal and expected aspect of ANY computer system. It is YOUR responsibility to save files on drives that are always accessible to you (I suggest a CD RW or memory stick). Computer malfunction or the inability to access a memory drive is NOT an excuse for turning in late or incomplete assignments.