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GEO 583.01: Coastal Sedimentary Environments

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**GEO 583 01, COASTAL SEDIMENTARY ENVIRONMENTS
FALL SEMESTER 2013 SYLLABUS**

MEETING: Tuesday, 1:10 to 4:00 PM in CHCB # 348

PROFESSOR: James R. Staub: Office hours are by appointment. CHCB # 353; phone 243.4953; james.staub@umontana.edu

TEXT: Journal articles as assigned

COURSE GOAL: The goal is to provide a basic understanding coastal processes and sedimentary environments and integrate concepts and methods used in sequence stratigraphic analysis and sequence delineation.

PREREQUISITES: There are no prerequisites for this class other than graduate student status or instructor permission.

CLASS ATTENDANCE AND FORMAT: Attendance is required. The class is a seminar in which each participant will present a papers and lead a discussions.

MOODLE SUPPLEMENT: Assigned journal articles will be posted on Moodle. They must be reviewed in a timely manner to so that you can participate in the weekly discussion.

ASSIGNED DUTIES OF PARTICIPANTS: *Each participant will present at least two papers during the course of the semester and lead the discussion that follows.* Individual presentations of journal articles with associated supporting documents, concepts, data, etc. are normally expected to be about 45 minutes in length. Following the presentation the day's presenter will lead and facilitate a discussion on the materials and concepts presented for the remaining available time.

*All participants must select their first journal article that forms a basis for their first presentation and provide the article electronically to Staub by **September 19th**.* All articles will be posted on the Moodle website. All articles must be published after 1999.

All papers and presentations must deal with (i.e. are limited to) the following general guidelines: Modern coastal sedimentary environments or the sediments must be Cretaceous or Carboniferous in age; have accumulated in a foreland basin; be "marginal marine" in origin and have accumulated during regressive and/or transgressive events. Your presentations must address issues related to sedimentary processes or the sedimentation of genetic sedimentary units and the development of their facies, facies associations and bounding surfaces.

GRADE: Grades will be assigned based on your presentations, the discussions that you lead, as well as your continued participation in all discussions during the entire semester.

STUDENT CONDUCT CODE: Please be familiar with the UM Student Conduct Code. The Student Conduct Code can be found on the Vice President for Student Affairs web site at http://life.umt.edu/vpsa/student_conduct.php.

COURSE ACCOMMODATIONS (DDS): Students with disabilities will receive reasonable accommodations in this course. To request course modifications, please contact me as soon as possible. I will work with Disability Services in the accommodation process. For more information, visit the Disability Services website at <http://life.umt.edu/dss> or call 406.243.2243 (Voice/Text).