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Syllabus:GEOS 7110

Workshop in Environmental Geosciences

Dr. T. Brikowski and Dr. M. Leyborne

Fall, 2005

This course is intended to provide a forum for intense student-faculty interaction on topics in Environmental Geosciences, including surface- and ground-water hydrology, reservoir (aquifer) characterization, geochemistry, etc. Topics for discussion will generally focus on current progress, problems and possible solutions regarding participating student's research. If this provides insufficient material, the topic schedule outlined below will be utilized instead. The course meets weekly, Thu. 1:00-2:00pm in FO 2.605. The course is offered pass-fail.

Week	Date	Topic
1	Aug. 29	Organizational Meeting
2	Sept. 5	Sedimentological Principles
3	Sept. 12	Hydrologic Applications of Sedimentology
4	Sept. 19	Hays, KS, Applications of Sedimentology
5	Sept. 26	Introduction: Geophysical Sensing of Sedimentological Parameters
6	Oct. 3	Student presentations: Geophysical Sensing of Sedimentological Parameters
7	Oct. 10	Introduction: Geochemical Applications
8	Oct. 17	Canceled (conflict with IDDP trip)
9	Oct. 24	Geochemistry of Texas waters
10	Oct. 31	Geochemistry literature
11	Nov. 7	Digital acquisition of hydrologic data
12	Nov. 14	Applications: Streambank Erosion and Flow Events
13	Nov. 21	Final Review

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