Groundwater Hydrology (GE 484/684)
Fall 2013

Undergraduate: GE 484—Call Number 87454   **Graduate:** GE 684—Call Number 82018
Time/Location: Tuesday & Thursday (8:00 - 9:15am) – SEM 326 (note room change)
Instructor:
>   Scott Tyler
>   Geological Sciences and Engineering Department
>   LMR 363
>   Email: styler@unr.edu   Phone: 784-6250
>   Office hours: Tuesday Thursday 1-3

Teaching Assistant:
>   Cara Nadler (graduate assistant)
>   Geological Sciences and Engineering Department
>   Email: naldlerca@gmail.com
>   Office: LMR 167
>   Office hours: TBD

Required Material:
- Applied Hydrogeology, 4th Edition, by C.W. Fetter
- Additional reading material will be made available on class website

Grading Policy (Undergraduate):
1. Homework = 50%
2. Midterm = 20%
3. Final= 30%

Grading Policy (Graduate):
1. Homework = 30%
2. Laboratory Project = 10%
3. Modeling Project = 10%
4. Midterm = 20%
5. Final =30%

Homework:
All homework assignments will be due at beginning of class on the date specified on the class calendar. Late homework will not be accepted unless student has a family emergency or serious health issue.

Exams:
Midterm will cover material through Chapter 6 plus groundwater/surface water interactions (Chapter 7 section 7) in the text book. Final will cover remainder of book and may include important concepts from early in semester. You will be allowed to bring one sheet that is 8.5" x 11" to each exam.

Graduate Projects:
The first project will be a laboratory experiment and must be completed by Midterm. Groups of two or three will do experiments to determine porosity and hydraulic conductivity of different sandy materials. Each group will give demonstrations to undergraduates as well as write up a short paper describing methods and results. Second project will be a simple groundwater model conducted individually. This project will be completed by the end of semester. A short paper from each student will be required describing the problem, methods, modeling approach, calibration, and results.