CWR 5125 - GROUNDWATER HYDROLOGY
PROJECT/PAPER – Fall 2024
POINTS = 30/100 POINTS - DEADLINES: See below

Objective

<u>Project:</u> To *either* develop or improve a new computational methodology *or* to demonstrate the application of a groundwater computer model, in support of solving groundwater flow and/or contaminant transport problems.

<u>Paper:</u> Students may consider, as an alternative to the above, writing, a paper on any of the highlighted themes or topics of the course program or others (topic is to be approved by the instructor on a case-by-case basis).

Guidelines

Students individually or in teams *(the latter is conditional to instructor's approval of scope of project)*, will complete and present written and oral reports of professional quality. Report should be 10-20 pages long, double space, excluding cover page and appendices. Paper should be 5-10 pages long, double space, excluding cover page and references. Written report contents should include, at least, the following items or equivalent as applicable:

Cover Page (i.e., title, author(s), course, place, and date)
Member or Team Members
Table of Contents
List of Figures
List of Tables
1. Summary or Abstract
2. Introduction (background, justification, objective(s))
3. Literature Review (minimum 3 peer-review journal publications, among others relevant)
4. Theory
5. Methodology
6. Results and Discussion
7. Conclusions and Recommendations
Bibliography or References
Appendices (as necessary)

Deadlines

a) Project/Paper Proposal: October 15, 2024, *or earlier* in instructor's mailbox.
    One page: tentative title, objective, general approach, and initial list of references; student(s) must sign at the bottom of the page.

b) Written Report: December 6, 2024, due by 4:30 PM (*or earlier)* in instructor's mailbox. *The student must run the short paper through Turnitin and attach the report to the paper upon submittal. Students must also attest, in writing "that the paper has not been used for grading as part of academic credit to meet requirements for a degree program anywhere in the world".*
    Maximum of 20/100 points equally based on technical content and quality of presentation.

c) Oral Presentations: December 10, 2024.
    Maximum of 10 points equally based on effectiveness of delivery and quality of presentation. Duration: 15-20 minutes followed by questions (number of minutes will be decided by the instructor in advance to the presentation). An electronic copy of the oral presentation must be presented to the instructor at the end of the oral presentation.

d) Reports and electronic material may not be returned by the instructor. Students are thus recommended to make full copies of all turned in materials.