CH EN 6185 Reservoir Engineering (3 Credit Hours)

Spring Semester
Meets: Tuesday, Thursday 7:30 am - 8:50 am
Location: TBD

Adjunct Professor Richard Christiansen
Email: rlc.knq@gmail.com
Office: TBD
Hours: TBD

Teaching Assistant TBD
Email: TBD
Office Hours: TBD

Course Topics

Text: Fundamentals of Reservoir Engineering, Dake, L. P., Elsevier

Grading Scale

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<tr>
<th>Grade</th>
<th>Percentage</th>
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<td>A</td>
<td>90-100%</td>
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Grading Basis

Homework   10%
Midterm 1  25%  (Mid February)
Midterm 2  30%  (Late March)
Final      35%  (Early May)

Topics (weeks)
1. Basic properties of reservoir fluids (1)
2. Material balances for gas reservoirs (1)
3. Material balances for oil reservoirs (2)

Midterm 1
4. Single phase flow: linear and radial (2)
5. Basics of well testing (3)

Midterm 2
6. Multiphase flow (2)
7. Enhanced oil recovery (2)
8. Introduction to reservoir simulation (1)

Final

General
- Course lectures will be taped.
- Lecture notes and supplements on Canvas