CH EN 6165 Midstream and Downstream Petroleum Engineering (3 Credit Hours)

Meets: Tues., Thurs. 10:45 am - 12:05 pm
Location: TBD

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

Teaching Assistant TBD
   Email: TBD
   Office Hours: TBD

Course Topics

Book(s)
1. GPSA Engineering Data Book

Grading Scale
A  90-100%  (A-: 90-93%)
B  80-90%   (B+: 87-90%; B-: 80-83%)
C  70-80%   (C+: 77-80%; C-: 70-73%)
D  60-70%   (D+: 67-70%; D-: 60-63%)
F  0-60%

Grading Basis
   Homework 10%
   Gas Processing Report: 10%
   Oil Refining Report: 10%
   Midterm 1 20%
   Midterm 2 20%
   Final 30%
   Total 100%

Topics [Weeks]
1. Gas-oil separation and flash calculations [1]
2. Gas transportation [1]
Midterm 1
4. Oil characterization [1]
5. Oil transportation [1]
6. Oil refining overview [1]
7. Distillation (Atmospheric & Vacuum) [1]
8. Delayed Coking [1]

Midterm 2
10. Hydrocracking [1]
11. Hydrotreating [1]
12. Reforming and Isomerization [1]
13. Alkylation [1]

Final

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