

UC 11893 12F

UNIVERSITY of HOUSTON

CULLEN COLLEGE of ENGINEERING
Petroleum Engineering

APPROVED FEB 20 2013

RECEIVED OCT 12 2012

MEMORANDUM

Date: October 10, 2012

To: **Undergraduate Committee**

From: **Engineering Undergraduate Curriculum Committee**

Faculty Contact: Thomas K Holley (X24847 / tkholley@central.uh.edu)

RE: Petroleum Engineering Program Changes

This memorandum is to outline changes for the petroleum engineering program and seek review and approval from the Undergraduate Curriculum Committee.

1. Use of the three upper level Modules will be removed.
Module I-Reservoir Engineering and its classes will be listed as the course numbers already in place- PETR 5324, 5302, 5325. The courses remain required.
Module II- Production Engineering and its classes will be listed as the course numbers already in place- PETR 5310, 5350, 5372. The courses remain required.
Module III – Chemical Engineering and its classes- CHEM 3331, 3321 and CHEE 3300, 3303 will be removed from the degree plan. CHEM 3331, CHEE 3300, 3333 will be added to the approved petroleum degree electives list.
2. Revised Petroleum Engineering Degree Plan attached.

Dean's Signature: _____

David P. Shattuck

Date: 10 Oct 2012

**PETROLEUM ENGINEERING UNDERGRAD DEGREE –
PROPOSED FALL 2013**

First Year Fall Semester		
Course #	Course	Hrs.
ENGL 1303	First Year Writing I	3
MATH 1431	Calculus I	4
GEOL 1330	Physical Geology	3
CHEM 1331	Fund. of Chemistry	3
CHEM 1111	Fund. of Chemistry Lab	1
PETR 1100	Introduction to Petroleum Engineering	1
Total Hours	First Year Fall Semester	15
First Year Spring Semester		
Course #	Course	Hrs.
ENGL 1304	First Year Writing II	3
MATH 1432	Calculus II	4
PHYS 1321	University Physics I	3
CHEM 1332	Fund. of Chemistry II	3
CHEM 1112	Fund. of Chemistry Lab	1
CHEE 1331	Computing for Engineers	3
Total Hours	First Year Spring Semester	17
Second Year Fall Semester		
Course #	Course	Hrs.
VISUAL & PERFORM ARTS	Visual and Performing Arts	3
HIST 1378	The US Since 1877	3
MATH 2433	Calculus III	4
PHYS 1322	University Physics II	3
PETR 2311	Reservoir Petrophysics	3
Total Hours	Second Year Fall Semester	16
Second Year Spring Semester		
Course #	Course	Hrs.
HIST 1377	The US to 1877	3
MATH 3321	Engineering Mathematics	3
CHEE 2331	Chemical Processes	3
PETR 3313	Reservoir Fluids	3
INDE 2333	Engineering Statistics I	3
Total Hours	Second Year Spring Semester	15
Third Year Fall Semester		
Course #	Course	Hrs.
ENGI 2304	Technical Communications	3
MECE 3400	Introduction to Mechanics	4
CHEE 2332	Chemical Engineering Thermodynamics I	3
PETR 3362	Reservoir Engineering I	3
PETR 3315	Introduction to Well Logging	3
Total Hours	Third Year Fall Semester	16

Third Year Spring Semester		
Course #	Course	Hrs.
POLS 1336	US Government and Texas Constitutions and Politics	3
Technical Elective	Approved Elective List	3
CHEE 3363	Fluid Mechanics for Chemical Engineers	3
PETR 3321	Pressure Transient Testing	3
PETR 3318	Well Drilling and Completion I	3
Total Hours	Third Year Spring Semester	15
Fourth Year Fall Semester		
Course #	Course	Hrs.
POLS 1337	US Government: Congress, President, and Courts	3
SOC&BEH SCI	Social & Behavioral Science-Core	3
PETR 5392	Petroleum Project Management	3
PETR 5324	Theory of Reservoir Modeling	3
PETR 5310	Petroleum Production Economics	3
PETR 5350	Natural Gas Engineering	3
Total Hours	Fourth Year Fall Semester	18
Fourth Year Spring Semester		
Course #	Course	Hrs.
HUMANITIES	Humanities Core	3
PETR 4311	Capstone Lab Project	3
PETR 5302	Reservoir Engineering II	3
PETR 5325	Integrated Reservoir Characterization	3
PETR 5372	Petroleum Production Operations	3
Total Hours		15
TOTAL HRS	TO GRADUATE= 127	