

CBM003 ADD/CHANGE FORM

Undergraduate Council  
 New Course  Course Change 2009  
 Core Category: None Effective Fall 2008

or

Graduate/Professional Studies Council  
 New Course  Course Change  
 Effective Fall \_\_

1. Department: CHE ENG College: ENGR  
 2. Person Submitting Form: Dr. Michael P. Harold Telephone: 34307

RECEIVED MAR 06 2008

3. Course Information on New/Revised course:  
 • Instructional Area / Course Number / Long Course Title:  
PETR / 5302 / Reservoir Engineering II  
 • Instructional Area / Course Number / Short Course Title (30 characters max.)  
PETR / 5302 / RESERVOIR ENGINEERING II  
 • SCH: 3.00 Level: SR CIP Code: 14.2501.00 Lect Hrs: 3 Lab Hrs: 0

APPROVED OCT 22 2008

4. Justification for adding/changing course: To more accurately reflect course content/level  
 5. Was the proposed/revised course previously offered as a special topics course?  Yes  No  
 If Yes, please complete:

*New disciplines*

• Instructional Area / Course Number / Long Course Title:  
PETR / 6302 / Reservoir Engineering II  
 • Content ID: \_\_\_\_\_ Start Date (yyyy3): \_\_\_\_\_

6. Authorized Degree Program(s): BS PETR ENGR

- Does this course affect major/minor requirements in the College/Department?  Yes  No
- Does this course affect major/minor requirements in other Colleges/Departments?  Yes  No
- Are special fees attached to this course?  Yes  No
- Can the course be repeated for credit?  Yes  No

7. Grade Option: Letter (A, B, C...) Instruction Type: lecture ONLY (Note: Lect/Lab info. must match item 3, above.)

8. If this form involves a change to an existing course, please obtain the following information from the course inventory: Instructional Area / Course Number / Long Course Title  
PETR / 6302 / Reservoir Engineering II

• Start Date (yyyy3): \_\_\_\_\_ Content I.D.: \_\_\_\_\_

9. Proposed Catalog Description: (If there are no prerequisites, type in "none".)  
 Cr: 3. (3-0). Prerequisites: PETR 3362, ~~PETR 3313~~, ~~PETR 2311~~ <sup>and</sup> Description (30 words max.):  
 Capillary pressures; vertical distribution of gas, oil, and water saturations, relative permeability and fractional flow relationships; Buckley-Leverett equation and <sup>linear</sup> displacement efficiency of gas and water drives; areal and vertical sweep.

10. Dean's Signature: \_\_\_\_\_ Date: 3/6/08  
 Print/Type Name: Joseph Tedesco, Dean

Cullen College of Engineering **UC 9787 08F**  
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(Course Modification)

Must be attached to CBM003 form

Course: <u>PETR</u>	<u>5302</u>
Subject Prefix	Course Number


(View ECE 1331 sample attached for assistance in filling out questions 1-6)

1. **Change in Title:** No  
*Print course inventory screen using RARCAS/CATM and attach.*
2. **Change in Pre-requisite/Co-requisite:** PETR 3362, PETR 3313, PETR 2311.
3. **Rational for Change in Course (Content, Format, Prerequisites):** Make the course available for juniors.
4. **Effect on Course Outcomes:** n/a
5. **ABET Constituents consulted:** n/a
6. **Course Performance after implementing format and content changes:** none<sup>1</sup>
7. **Is course required?**  Yes  No
8. **Required course outline attached?**  Yes  No
9. **Estimated student demand** 50 per semester
10. **Similar courses in other departments:**  Yes  No  
a. *If yes, list course(s)* \_\_\_\_\_
11. **Is course part of a sequence?**  Yes  No  
a. *If Yes, identify the sequence and comment on the relation to prior and subsequent courses: This course follows PETR 3362*
12. **Textbook(s) and other required materials:** Craft and Hawkins, "Applied Reservoir Engineering", Willhite, "Waterflooding", SPE Textbook Series Vol. 3, 1986, Forrest F. Craig, "The Reservoir Engineering Aspects of Water Flooding", SPE Monograph Series, Vol. 3.

**Note: Special Fees:** If special fees requested, **Course Related Fee Request Form** will be required.

<sup>1</sup> Department reports will be requested about the effects of your course modification both 12 and 24 months after the effective date of the proposed modification.

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(Course Modification)

	<u>2/21/8</u>	<input checked="" type="checkbox"/> Approved
Chair of Initiating Dept. Signature	Date	