CBM003 ADD/CHANGE FORM

☐ Undergraduate Council  ☒ New Course  ☐ Course Change  2005  
Core Category: ✓  Effective Fall 2006

☐ 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

3. Course Information on New/Revised course:
   - Instructional Area / Course Number / Long Course Title:
     CIVE / 3334 / Fluid Mechanics and Hydraulic Engineering
   - Instructional Area / Course Number / Short Course Title (30 characters max.)
     CIVE / 3334 / FLUID MECHANICS AND HYDRAULIC
   - SCH: 3.00  Level: JR  CIP Code: 14.2501.00  Lect Hrs: 3  Lab Hrs: 0

4. Justification for adding/changing course: To provide for new discipline areas

5. Was the proposed/revised course previously offered as a special topics course?  ☐ Yes  ☒ No
   If Yes, please complete:
   - Instructional Area / Course Number / Long Course Title:
     ___ / ___ / ___
   - Content ID: ___  Start Date (yyyy3): ___

6. Authorized Degree Program(s): B.S. Petroleum Engineering
   - 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
   ___ / ___ / ___
   - Start Date (yyyy3): ___  Content I.D.: ___

9. Proposed Catalog Description: (If there are no prerequisites, type in "none".)
   Cr: 3. (3-0).  Prerequisites: MECE 3400 or CIVE 2331 and MATH 3321  • Description (30 words max.): Fluid properties, hydrostatics, basic equations of fluid mechanics, inviscid and viscous flows, flow through pipes, open channel flow, groundwater seepage, and hydraulic structures.

10. Dean’s Signature: ___________________________ Date: 3/14/08
    Print/Type Name: Joseph Tedesco, Dean

- Created on 12/11/2007 3:27:00 PM -
Must be attached to CBM003 form

<table>
<thead>
<tr>
<th>Course:</th>
<th>CIVE 3334</th>
</tr>
</thead>
</table>

1. **Course Title**: Fluid Mechanics and Hydraulic Engineering
   *Print course inventory screen using RARCAS/CATM and attach.*

2. **Pre-requisite/Co-requisite**: MECE 3400 or CIVE 2331 and MATH 3321.

3. **Rational for Course Format**: Standard University format

4. **Rational for Course Content**: Make existing CIVE 3434 which is a four hour course that includes a lecture and laboratory a lecture only course suitable for petroleum engineering students.

5. **ABET Constituents consulted**: Petroleum Engineering Advisory Board, and several industry surveys

6. **State Course Outcomes**: Students learn the various aspects of fluids

7. **Course Performance after implementing format and content changes**: ______

8. **Is course required?**
   - X Yes
   - □ No

9. **Required course outline attached**?
   - X Yes
   - □ No

10. **Estimated student demand** ______ per semester

11. **Similar courses in other departments**: X Yes
    
    a. If yes, list course(s): CIVE 3434

12. **Is course part of a sequence?**
    - □ Yes
    - X No

    a. If Yes, identify the sequence and comment on the relation to prior and subsequent courses: ______

13. **Textbook(s) and other required materials**: To be determined later

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

---

1 Department reports will be requested about the effects of your new course on your curriculum both 12 and 24 months after the effective date for this new course.
Chair of Initiating Dept. Signature  3/4/08  Approved

Date