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| <input checked="" type="checkbox"/> Undergraduate Council |
| <input checked="" type="checkbox"/> New Course <input type="checkbox"/> Course Change <i>2009</i> |
| Core Category: <i>WPK</i> Effective Fall <i>2008</i> |

or

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| <input type="checkbox"/> Graduate/Professional Studies Council |
| <input type="checkbox"/> New Course <input type="checkbox"/> Course Change |
| Effective Fall ____ |

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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: *Joseph W Tedesco* Date: *3/6/08*
Print/Type Name: Joseph Tedesco, Dean

Cullen College of Engineering
 CBM003 Supplement - B
 (New Course)
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Must be attached to CBM003 form

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|----------------|---------------|
| Course: CIVE | 3334 |
| Subject Prefix | Course Number |

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** 50 per semester
11. **Similar courses in other departments:** X Yes No
 a. *If yes, list course(s)* CIVE 3434
12. **Is course part of a sequence?** Yes XNo
 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

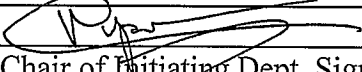
Note: Special Fees: If special fees requested, **Course Related Fee Request Form will be required.**

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.

Cullen College of Engineering
CBM003 Supplement - B Form
(New Course)

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|  Chair of Initiating Dept. Signature | 3/4/08 Date | <input checked="" type="checkbox"/> Approved |
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