CBM003 ADD/CHANGE FORM

☐ Undergraduate Council  ☑ New Course ☐ Course Change
Core Category: NONE  Effective Fall 2007

☐ Graduate/Professional Studies Council  ☐ New Course ☐ Course Change
Effective Fall __

1. Department: MECHANICAL ENG.  College: ENGR

2. Person Submitting Form: Ralph Metcalfe  Telephone: 713-743-4521

3. Course Information on New/Revised course:
   - Instructional Area / Course Number / Long Course Title:
     MECE / 5312 / Computational Fluid Dynamics I
   - Instructional Area / Course Number / Short Course Title (30 characters max.)
     MECE / 5312 / COMPUTATIONAL FLUID DYNAMICS I
   - SCH: 3  Level: SR  CIP Code: 1419010006  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 (yyyy/mm): ___

6. Is this course offered for undergraduate credit only? ☑ Yes  ☐ No

7. Authorized Degree Program(s): B.S. in Mechanical 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

8. Grade Option: Letter (A, B, C . . .)  Instruction Type: lecture

9. 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 (yyyy/mm): ___  Content I.D.: ___

10. Proposed Catalog Description: (If there are no prerequisites, type in "none".)
    "Prerequisites: MECE 3363, BIOE 3440 or equivalent. Credit may not be received for more
    than one BIOE 4312 and MECE 5312. Description (30 words max.): Computational fluid
    dynamics simulations of biological systems using FLUENT software.
    "

11. Dean’s Signature: _____________________________  Date: 10/5/06

Print/Type Name: Dr. Fritz Claydon