VC 12435 13F

CBM003 ADD/CHANGE FORM

APPROVED JAN 22 2014 M.M.

☒ Undergraduate Committee	or	☐ Graduate/Professional Studies Committee
☒ New Course ☐ Course Change		☐ New Course ☐ Course Change
Core Category: NONE Effective Fall 2014		Effective Fall 2014

1. Department: Mechanical Engineering College: ENGR

RECEIVED OCT 14 2013 M.M.

2. Faculty Contact Person: R. Bannerot Telephone: x34511 Email: rbb@uh.edu

3. Course Information on New/Revised course:
   - Instructional Area / Course Number (*see CBM003 instructions) / Long Course Title: MECE / 3381 / Introduction to Finite Element Methods for Mechanical Engineers
   - Instructional Area / Course Number / Short Course Title (30 characters max.) MECE / 3381 / FINITE ELEMENTS FOR MECH ENGR
   - SCH: 3.00 Level: JR CIP Code: 14.1901.00 06 Lect Hrs: 3 Lab Hrs: 0
   - Term(s) Course is Offered (*see CBM003 instructions about selection): Fall,Spring

4. Justification for adding/changing course: **To meet instructional needs of students**

5. Was the proposed/revised course previously offered as a special topics course? ☐ Yes ☒ No
   If Yes, please complete:
   - Instructional Area / Course Numbe UC_
     ____ / ____ / _____
   - Course ID: _____ Effective Date : _____

6. Authorized Degree Program(s): BSME
   - Does this course affect major/mino ollege/Department? ☐ Yes ☒ No
   - Does this course affect major/minor requirements in other Colleges/Departments? ☐ Yes ☒ No
   - Can the course be repeated for credit? ☐ Yes ☒ No (if yes, include in course description)

7. Grade Option: Letter (A, B, C ...) Instruction Type: lecture ONLY (Note: Lect/Lab info. must match item 3, above. *See CBM003 instructions.)

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
   ____ / ____ / _____
   - Course ID: _____ Effective Date (currently active row): _____

9. Proposed Catalog Description: (If there are no prerequisites, type in "none".)
   Cr: 3. (3-0). Prerequisites: MECE 3369 and credit for or concurrent enrollment in MATH 3363.
   Description (30 words max.): Introduction to theory and practice of the finite element method. One-dimensional, two-dimensional, and three-dimensional elements in selected applications are studied. Extensive work with commercial FEM software.

10. Dean's Signature: _____ Date: 10 OCT 2013
    Print/Type Name: David P. Shattuck