CBM003 ADD/CHANGE FORM

☐ Undergraduate Council  ☐ Graduate/Professional Studies Council
☐ New Course  ☐ Course Change
Core Category: _____  Effective Fall 2009

1. Department: MECE  College: ENGR

2. Faculty Contact Person: Pradeep Sharma  Telephone: 3-4256  Email: psharma@central.uh.edu

3. Course Information on New/Revised course:
   • Instructional Area / Course Number / Long Course Title:
     MECE / 5321 / Design and Fabrication of Nanoscale Devices
   • Instructional Area / Course Number / Short Course Title (30 characters max.)
     MECE / 5321 / NANOSCALE DESIGN & FABRICATION
   • SCH: 3.00  Level: SR  CIP Code: 1413010006  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:
     _____ / _____ / _____
   • Course ID: _____  Effective Date (currently active row): _____

6. Authorized Degree Program(s): BSEE, BScHE, BSME and BSCpE
   • 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
   • 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.)

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: ECE 5320 or CHEE 5320 or MECE 5320, enrollment in MECE 5121, or
   Instructor permission.  Description (30 words max.): Fundamentals of design and fabrication at the
   nanoscale. Effects of nanoscale phenomena on device scaling; technological advantages and challenges.
   Design, fabrication, metrology, and device integration at nanoscale.

10. Dean's Signature: ________________________________  Date: 10/24/08
    Print/Type Name: David P. Shattuck

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