

## CBM003 ADD/CHANGE FORM

Undergraduate Council  
 New Course    Course Change  
Core Category: \_\_\_\_\_ Effective Fall 2009

or

Graduate/Professional Studies Council  
 New Course    Course Change  
Effective Fall \_\_\_\_\_

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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 consent  
of 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: 10/24/8  
Print/Type Name: David P. Shattuck