

CBM003 ADD/CHANGE FORM

Undergraduate Council  
 New Course  Course Change  
 Core Category: NONE Effective Fall 2009

or

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

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1. Department: CHEE College: ENGR  
 2. Faculty Contact Person: Ramanan Krishnamoorti Telephone: 3-4312 Email: ramanan@uh.edu

3. Course Information on New/Revised course:  
 • Instructional Area / Course Number / Long Course Title:  
CHEE / 5321 / Design and Fabrication of Nanoscale Devices  
 • Instructional Area / Course Number / Short Course Title (30 characters max.)  
CHEE / 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 CHEE 5121, or consent  
 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