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 MEC 5320, enrollment in CHEE 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