VC 12411 13F

CBM003 ADD/CHANGE FORM

APPROVED JAN 22 2014 M.M.

☒ Undergraduate Committee ☒ New Course ☐ Course Change Core Category: _____ Effective Fall 2014	or	☐ Graduate/Professional Studies Committee ☐ New Course ☐ Course Change Effective Fall 2014

RECEIVED OCT 14 2013 M.M.

1. Department: Biomedical College: ENGR
2. Faculty Contact Person: Ting Chen Telephone: 28887 Email: tchen23@uh.edu
3. Course Information on New/Revised course:
   - Instructional Area / Course Number (*see CBM003 instructions) / Long Course Title: BIOE / 5316 / Transport Phenomena in Biosystems
   - Instructional Area / Course Number / Short Course Title (30 characters max.) BIOE / 5316 / TRANSPORT PHENOMENA BIOSYSTEMS
   - SCH: 3.00 Level: SR CIP Code: 14.0501.00 06 Lect Hrs: 3 Lab Hrs: 0
   - Term(s) Course is Offered (*see CBM003 instructions about selection): Fall
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 Number / Long Course Title: BIOE / 5397 / Transport Phenomena in Biosystems
   - Course ID: 13290 Effective Date (currently active row): 8262013
6. Authorized Degree Program(s): BSBE
   - 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. *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: BIOE 3341 or 3440 or consent of instructor. Description (30 words max.): Fundamental engineering concepts of momentum and mass transport in biosystems and biodevices. Conservation laws, biorheology, dimensional analysis, diffusion, and analytical methods.
10. Dean's Signature: _____ Date: 10 Oct 2013

    Print/Type Name: David P. Shattuck