CBM003 ADD/CHANGE FORM

☐ Undergraduate Council  or  ☐ Graduate/Professional Studies Council
☒ New Course  ☐ Course Change
Core Category: NONE  Effective Fall 2007

1. Department: MECHANICAL ENG.  College: ENGR
2. Person Submitting Form: Yi-Chao Chen  Telephone: 713-743-4533
3. Course Information on New/Revised course:
   • Instructional Area / Course Number / Long Course Title:
     MECE / 5324 / Advanced Engineering Biomechanics
   • Instructional Area / Course Number / Short Course Title (30 characters max.)
     MECE / 5324 / ADVANCED ENGR BIOMECHANICS
   • SCH: 3.00  Level: SR  CIP Code: 1405010006  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:
     ___ / ___ / ___
   • Content ID: ___  Start Date (yyyy3): ___
6. Is this course offered for undergraduate credit only? ☒ Yes  ☐ No
7. Authorized Degree Program(s): B.S. in Mechanical Engineering
   • 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
   • Are special fees attached to this course? ☒ Yes  ☐ No
   • Can the course be repeated for credit? ☒ Yes  ☐ No
8. Grade Option: Letter (A, B, C,...)  Instruction Type: lecture
9. 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
   ___ / ___ / ___
   • Start Date (yyyy3): ___  Content I.D.: ___
10. Proposed Catalog Description: (If there are no prerequisites, type in "none").
    Cr: 3 (30%). Prerequisites: MATH 3321 and BIOE 3340 or MECE 3363, or permission of instructor. Credit
    may not be received for more than one BIOE 4324 and MECE 5324. Description (30 words max.):
    Application of nonlinear elasticity and viscoelasticity to a range of biological tissues including bone, skeletal
    muscle, blood vessels and the heart.
11. Dean’s Signature: ___________________________ Date: 1/31/07

Print/Type Name: Dr. Fritz Claydon