

UC 12215 12F

CBM003 ADD/CHANGE FORM

Undergraduate Council  
 New Course  Course Change  
 Core Category: \_\_\_\_\_ Effective Fall 2013

or

Graduate/Professional Studies Council  
 New Course  Course Change  
 Effective Fall 2013

1. Department: Computer Science College: NSM

APPROVED MAR 27 2013

2. Faculty Contact Person: Shishir Shah Telephone: 743-3360 Email: sshah@central.uh.edu

3. Course Information on New/Revised course:

• Instructional Area / Course Number / Long Course Title:  
COSC / 4364 / Numerical Methods

• Instructional Area / Course Number / Short Course Title (30 characters max.)  
COSC / 4364 / NUMERICAL METHODS

• SCH: 3.00 Level: SR CIP Code: 27.0301.00 01 Lect Hrs: 3 Lab Hrs: 0

RECEIVED NOV 13 2012

4. Justification for adding/changing course: Successfully taught as a selected topics course

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:  
COSC / 4397 / Sel Top-Computer Science: Numerical Analysis

• Course ID: 16876 Effective Date (currently active row): 20130114

6. Authorized Degree Program(s): \_\_\_\_\_

• 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: COSC 2320, MATH 2331 and MATH 3338 Description (30 words max.):  
Programming numerical solution of problems in linear algebra; system of linear equations, matrix inversion, and Eigen-value problems, solution of equations, polynomial approximations, and initial value problems of ordinary differential equations. Credit towards a degree may not be earned for both COSC 4364 and either of COSC 3361 or COSC 3362.

10. Dean's Signature: \_\_\_\_\_

Date: 13 Nov '12

Print/Type Name: Ian Evans