

CBM003 ADD/CHANGE FORM

Undergraduate Council
 New Course Course Change
 Core Category: UWS Effective Fall 2008



or

Graduate/Professional Studies Council
 New Course Course Change
 Effective Fall

RECEIVED OCT 15 2007

APPROVED FEB 20 2008

- Department: Mathematics College: NSM
- Person Submitting Form: Charles Peters Telephone: (713)743-3516
- Course Information on New/Revised course:
 - Instructional Area / Course Number / Long Course Title:
MATH / 4378 / Advanced Linear Algebra II
 - Instructional Area / Course Number / Short Course Title (30 characters max.)
MATH / 4378 / ADVANCED LINEAR ALGEBRA II
 - SCH: 3.00 Level: SR CIP Code: 2701010001 Lect Hrs: 3 Lab Hrs: 0
- Justification for adding/changing course: To more accurately reflect course content/level
- 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):
- Authorized Degree Program(s): B.A., B.S., Mathematics
 - 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
- Grade Option: Letter (A, B, C ...) Instruction Type: lecture ONLY (Note: Lect/Lab info. must match item 3, above.)
- 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
MATH / 4378 / Advanced Linear Algebra
 - Start Date (yyyy3): 19793 Content I.D.: 31206
- Proposed Catalog Description: (If there are no prerequisites, type in "none".)
Cr: 3. (3-0). Prerequisites: MATH 4377. Description (30 words max.): Similarity of matrices, diagonalization, hermitian and positive definite matrices, normal matrices, canonical forms, applications.

with and
- Dean's Signature:  Date: 11 Oct 07
- Print/Type Name: 

MATH 4378: Advanced Linear Algebra II
Course Syllabus
Revised Spring 2008

Section: 26770

Time: 2:30-4 TTh

Meets in: TBA

Faculty: Professor Johnny Johnson

Office: 664 PGH

Office Hours: TBA

E-Mail: jjohnson@math.uh.edu

Telephone: (713)743-3480

Prerequisites: MATH 4377.

Textbook: Linear Algebra, 2nd Ed., by K. Hoffman and R Kunze. Prentice-Hall 1971, ISBN: 0-13-536797-2.

Course Description: This course covers the second half of a one-year course in linear algebra and matrix theory, from eigenvalues and eigenvectors through canonical forms and applications. The level of mathematical rigor is high. Most of the material of the course is abstract and theoretical rather than merely computational.

Grading: The semester grade will be based on homework (100 points), three in-class exams (300 points) and a final exam (200 points), for a total possible point accumulation of 600 points. The grading scale is the standard one: at least 90% for an A-, etc.

Makeup Exams: There are no makeup exams. If you miss one of the hour exams it will be replaced by half the final exam grade. If you miss more than one you will get a zero on any additional missing exams.

Drops and Withdrawals: You may drop the course with a "W" at any time through the last day to drop. You must drop yourself and must not depend on the instructor to do it. To drop the course, get a drop form from the Welcome Center, fill it out, sign it, and obtain the instructor's signature. Then return it to the Welcome Center. See the University academic calendar for the last day to drop. Be aware that according to a new state law and new UH regulations, you may drop at most six courses throughout your entire academic career. If you drop or withdraw on or before the twelfth class day, the transaction is not counted against your limit and does not appear on your transcript.

Incompletes: Quoting from the Undergraduate Catalog, "The temporary grade of I (incomplete) is a conditional and temporary grade given when students (a) are currently passing a course or (b) *still have a reasonable chance of passing in the judgment of the instructor, but for non-academic reasons beyond their control have not completed a relatively small part of all requirements*" (emphasis added). Other restrictions are given in the Undergraduate Catalog. The Department of Mathematics adheres strictly to these policies.

Whenever possible, and in accordance with 504/ADA guidelines, the University of Houston will attempt to provide reasonable academic accommodations to students who request and require them. Please call 713-743-5400 for more assistance.