**DEPARTMENT NAME:** Mathematical Sciences  
**COLLEGE OF:** Science

**RECOMMENDED COURSE IDENTIFICATION:**

<table>
<thead>
<tr>
<th>PREFIX</th>
<th>MAS</th>
<th>COURSE NUMBER</th>
<th>5145</th>
<th>LAB CODE (L or C)</th>
</tr>
</thead>
</table>

*(To obtain a course number, go to [www.fau.edu/academic/registrar/UUPCinfo](http://www.fau.edu/academic/registrar/UUPCinfo))*

**COMPLETE COURSE TITLE:**

- LINEAR ALGEBRA

**EFFECTIVE DATE**

(first term course will be offered):

- FALL 2008

**CREDITS:**

- 3

**TEXTBOOK INFORMATION:**

- LINEAR ALGEBRA by K.M. Hoffman and R. Kunze

**GRADING (SELECT ONLY ONE GRADING OPTION):**

- REGULAR  __X__  
- PASS/FAIL  ____  
- SATISFACTORY/UNSATISFACTORY  ____

**COURSE DESCRIPTION, NO MORE THAN 3 LINES:**

- LINEAR TRANSFORMATIONS, EIGENVALUES AND EIGENVECTORS, CHARACTERISTIC AND MINIMAL POLYNOMIALS, RATIONAL AND JORDAN CANONICAL FORMS, DETERMINANTS, QUADRATIC FORMS, ORTHOGONAL DIAGONALIZATION OF SYMMETRIC MATRICES, UNITARY AND HERMITIAN TRANSFORMATIONS.

**PREREQUISITES:**

- MAS 4107

**COREQUISITES:**

**OTHER REGISTRATION CONTROLS (MAJOR, COLLEGE, LEVEL):**

**MINIMUM QUALIFICATIONS NEEDED TO TEACH THIS COURSE:**

- PH.D. IN THE MATHEMATICAL SCIENCES

Other departments, colleges that might be affected by the new course must be consulted. List entities that have been consulted and attach written comments from each.

**NONE**

**W. KALIES, WKALIES@FAU.EDU, (561) 297-1107**

Faculty Contact, Email, Complete Phone Number

**SIGNATURES**

**SUPPORTING MATERIALS**

**Approved by:**

Department Chair: __________________________  
College Curriculum Chair: ______________________  
College Dean: ________________________________  
UGPC Chair: _________________________________  
Dean, Graduate Studies: ______________________

**Date:**

**Syllabus**—must include all details as shown in the UGPC Guidelines.

**Written Consent**—required from all departments affected.

Go to: [www.fau.edu/graduate/gpc/index.php](http://www.fau.edu/graduate/gpc/index.php) to download this form and guidelines to fill out the form.

Email this form and syllabus to sfuks@fau.edu and eqirjo@fau.edu one week before the University Graduate Programs Committee meeting so that materials may be viewed on the UGPC website by committee members prior to the meeting.