

Lei Zhang (<https://people.clas.ufl.edu/leizhang/>)

Department of Mathematics

## Course 2 (Spring 2024) Linear Algebra MAS 4105

Course # 21442 Section 1004

Time and Location

M T W F 3, 9:35-10:25pm AND 0032

Office Hour: Thursday 11:00-12:00pm.

Office: Little Hall 466, phone: 2942344 email; leizhang at ufl dot edu

### Course objectives and Goals

Topics to be covered: Linear equations, matrices, vector spaces, linear transformations, determinants, eigenvalues, inner-product spaces. This course includes both theory and computational skills. The student is expected to develop the ability to reason

through, and coherently write up, proofs of theorems. For math majors, this course

serves as a transition from a study of techniques into more conceptual math; for engineering and science majors, it serves also as a coherent foundation in linear algebra.

### Weekly schedule:

week 1-2 chapter 1, week 3-4 chapter 2, week 5-6 chapter 3, week 7-8 chapter 4 week 9-10 chapter 5, week 11- chapter 6.

### Textbook:

Linear Algebra edition 4/E (fourth edition), by Friedberg, Insel, Spence. [Prentice Hal ISBN: 0-13-008451-4]. Higher editions can also be used.

### Prerequisite:

Grade of C or better in MAC 2313 or MAC 3474 and in MAS 3300 or MHF 3202.

### Homework

Homework will be assigned after each lecture.

### Final Grades

There will be three mid-term exams and a comprehensive final exam, all close to assigned homework problems. The tentative dates for

the four exams are:

Exam one: January 29 (20%)

Exam two: February 23 (20%)

Exam three: April 1 (20%)

Final exam: TBA (30%)

Homework grades: 10%

## Grading Scale

A: 90 ; B+: 85; B: 80; C+: 75; C: 68; D: 60; E:0-59

## Attendance and Late Policy

ABSOLUTELY NO MAKEUPS WITHOUT MEDICAL DOCUMENTATION. Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at :

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

## Students that need accommodation

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, [www.dso.ufl.edu/drc/](http://www.dso.ufl.edu/drc/)) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

## Information on current UF grading policies for assigning grade points:

<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

## Information on course evaluation

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at

<https://gatorevals.aa.ufl.edu/>

Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.

Edit (<https://people.clas.ufl.edu/leizhang/wp-admin/post.php?post=597&action=edit>)



Home (<https://people.clas.ufl.edu/leizhang/>) | Current Course (<https://people.clas.ufl.edu/leizhang/courses/>)

Course 1 (Spring 2024 ) MAP 4413 Fourier Series and Transformations (<https://people.clas.ufl.edu/leizhang/courses/course-1-fall-2016-map-2302-elementary-differential-equations-section-5592-2-2-2-2-2/>)

Course 2 (Spring 2024) Linear Algebra MAS 4105 (<https://people.clas.ufl.edu/leizhang/courses/course-2-fall-2016-linear-algebra-mas-4105-section-6137-2-2-2-2/>)

**Publications** (<https://people.clas.ufl.edu/leizhang/publications/>) | **Research** (<https://people.clas.ufl.edu/leizhang/research/>)  
**Curriculum Vitae** (<https://people.clas.ufl.edu/leizhang/curriculum-vitae/>)  
**Blog** (<https://people.clas.ufl.edu/leizhang/category/blog/>) | **Teaching** (<https://people.clas.ufl.edu/leizhang/teaching/>)  
**Course 1 (Spring 2020 ) MAP 4413 Fourier Series and Transformations section 7521**  
(<https://people.clas.ufl.edu/leizhang/courses/course-1-fall-2016-map-2302-elementary-differential-equations-section-5592-2-2/>)  
**Course 1 (Summer, 2016 ) MAP 4305/5304 DIF EQUA EG & PHY SCI/INTERMED DIFF EQUATNS sections 0642/0643**  
(<https://people.clas.ufl.edu/leizhang/courses/course-1-summer-2015-map-43055304-dif-equa-eg-phy-sciintermed-diff-equatns-sections-55295546/>)  
**Teaching** (<https://people.clas.ufl.edu/leizhang/teaching/>)  
**Course 1 (Spring 2019) MAP6357 Partial Differential Equations 1 /Section 366A Class # 17291**  
(<https://people.clas.ufl.edu/leizhang/courses/course-1map6357-pde1-section-1h79-2-2/>)  
**Course 1 (Spring 2020 ) MAP 4413 Fourier Series and Transformations section 7521**  
(<https://people.clas.ufl.edu/leizhang/courses/course-1-fall-2016-map-2302-elementary-differential-equations-section-5592-2-2/>)  
**Course 2 (Spring 2020) MAP6357 Partial Differential Equations 2 /23426** (<https://people.clas.ufl.edu/leizhang/courses/course-2map6356-pde1-section-1h79-2-2/>)

© 2024 **University of Florida** (<http://www.ufl.edu/>), Gainesville, FL 32611; (352) 392-3261. Page Updated: January 2, 2024

This page uses **Google Analytics** (<http://www.google.com/analytics/>) (**Google Privacy Policy** ([http://www.google.com/intl/en\\_ALL/privacypolicy.html](http://www.google.com/intl/en_ALL/privacypolicy.html)))