

STUDENT SYLLABUS

MAS 3105–2A

Summer 2017

INSTRUCTOR: Mr. Xiping Zhang

OFFICE: 404-D MCH

OFFICE HOURS: MoWe 9:30-10:30 am; Tu 2:00-3:00 pm

COURSE HOMEPAGE: <http://www.math.fsu.edu/xzhang/en/mas3105su17/>

ELIGIBILITY: You must have completed MAC 2312 (Calc II) or the equivalent with a grade of C- or better.

TEXT: Linear Algebra and its Applications (Fifth Edition), by David C. Lay. (ISBN:0321982614)

COURSE CONTENT: The course will cover basic topics in linear algebra such as vector spaces and subspaces, linear transformations, Gaussian elimination, matrix algebra, determinants, eigenvalues and eigenvectors, inner products, and applications such as the least squares problems.

COURSE DESCRIPTION: This course introduces students to key notions and methods that are fundamental to a variety of problems in data analysis and modeling. Lectures, supplemented by the textbook, homework exercises, and quizzes, will emphasize useful concepts and techniques for simplifying and solving large classes of mathematical problems. Linear algebra is founded on a rich interplay between algebra and geometry. This course will also expose students to some of the principles behind the methods.

GRADING: There will be weekly quizzes, a midterm and a final exam. Numerical course grades will be determined according to the formula $(2M + Q + 2F)/5$. where M = midterm, Q = quiz average, and F = final exam. Letter grades will be determined from numerical grades as follows: A: 90-100; B: 80-89; C: 70-79; D: 60-69; F: 0-59. Plus or minus grades may be assigned. A grade of I will not be given to avoid a grade of F or to give additional study time. Failure to process a course drop will result in a course grade of F.

TEST SCHEDULE:

- Midterm : Thursday, 06/22/2017, 12:30-1:30 pm
- Final : Thursday, 08/03/2017, 12:30-1:30 pm

Location: All tests will be given in **HCB 216** (Classroom).

EXAM POLICY: No makeup tests or quizzes will normally be given. If a test absence is excused, then the final exam score may, at the instructor's discretion, be substituted for the missing test grade. If a quiz absence is excused, then the next unit test grade will be used for the missing grade. An unexcused absence from a unit test will be penalized. An unexcused absence from a quiz will result in a grade of zero. Students must bring FSU ID cards to all tests.

UNIVERSITY ATTENDANCE POLICY: Excused absences include documented illness, deaths in the family and other documented crises, call to active military duty or jury duty, religious holy days, and official University activities. These absences will be accommodated in a way that does not arbitrarily

penalize students who have a valid excuse. Consideration will also be given to students whose dependent children experience serious illness.

TUTORING FOR MATH: Tutoring is available for this course via ACE Tutoring at the Learning Studio in the William Johnston Building. Appointments may be made, and drop-ins are welcome for one-on-one and group tutoring. Please contact the ACE Learning Studio at tutor@fsu.edu, 850-645-9151, or find more information at <http://ace.fsu.edu/tutoring>.

ACADEMIC HONOR POLICY: The Florida State University Academic Honor Policy outlines the University's expectations for the integrity of students' academic work, the procedures for resolving alleged violations of those expectations, and the rights and responsibilities of students and faculty members throughout the process. Students are responsible for reading the Academic Honor Policy and for living up to their pledge to "...be honest and truthful and ... [to] strive for personal and institutional integrity at Florida State University." (Florida State University Academic Honor Policy, found at <http://fda.fsu.edu/Academics/Academic-Honor-Policy>.)

AMERICANS WITH DISABILITIES ACT: Students with disabilities needing academic accommodation should: (1) register with and provide documentation to the Student Disability Resource Center; and (2) bring a letter to the instructor indicating the need for accommodation and what type. Please note that instructors are not allowed to provide classroom accommodation to a student until appropriate verification from the Student Disability Resource Center has been provided. This syllabus and other class materials are available in alternative format upon request.

For more information about services available to FSU students with disabilities, contact the Student Disability Resource Center
874 Traditions Way
108 Student Services Building Florida State University
Tallahassee, FL 32306-4167
(850) 644-9566 (voice)
(850) 644-8504 (TDD)
sdrc@admin.fsu.edu
<http://www.disabilitycenter.fsu.edu/>

SYLLABUS CHANGE POLICY: Except for changes that substantially affect implementation of the evaluation (grading) statement, this syllabus is a guide for the course and is subject to change with advance notice.