

COURSE SYLLABUS - MAS 2103H

TITLE: Honors Matrix Theory

CREDIT HOURS: 3

CLASS TIME and ROOM: Remote

TEXT: *Linear Algebra* by Jim Hefferon, and *Linear Algebra Done Wrong* by Sergei Treil
Please support these causes by purchasing the book from the authors. The first book is \$22.

PROFESSOR: Dr. Warren Wm. McGovern

OFFICE PHONE: & 6-8028

E-mail: warren.mcgovern@fau.edu ; <http://home.fau.edu/wmcgove1/web/>

OFFICE HOURS: By appointment

PREREQUISITES: MAC 2311 or MAC 2281 or placement.

CONTENT: Vectors and vector spaces. Linear transformation and matrices. Rank and determinants. Systems of linear equations. Diagonalization. Characteristic values.

CLASS STRUCTURE: The class will be run in a complete remote/online format. The student is expected to do all the problems as this will aid in the student's understanding of the material. Please feel free to meet the professor in office hours if you have additional questions about the material or homework.

HOMWORK: There is a link on the webpage for the list of HW problems. The student should keep a log of which HW problems were attempted and completed. The log should be turned in by the end of the course. I will collect some HW problems and give feedback.

EVALUATION: If the student earns above 90% of the total possible number of points then the student will have earned an A. The rest of the grades are as follows 80%-89.9% B, 70%-79.9% C, 60%-69.9% D, below 60% F. The cutoffs for pluses and minuses are standard.

For a general sense of the course (this is an approximation): There will be three exams, each worth 25%, HW is worth 25%.

Each test/exam will be cumulative and knowledge of previous material is essential. I will try to be as straightforward as possible with regards to the material covered over the quizzes, tests, and exam.

POLICY ON ACCOMMODATIONS: In compliance with the Americans with Disabilities Act Amendments Act (ADAAA), students who require reasonable accommodations due to a disability to properly execute coursework must register with Student Accessibility Services (SAS) and follow all SAS procedures. SAS has offices across three of FAU's campuses -- Boca Raton, SU 131 (561-297-3880); in Davie, LA 131 (954-236-1222); in Jupiter and all Northern Campuses, SR 111F (561-799-8585). Disability services are available for students on all campuses. For more information, please visit SAS website at <http://www.fau.edu/sas/>.

Counseling and Psychological Services (CAPS) Center: Life as a university student can be challenging physically, mentally and emotionally. Students who find stress negatively affecting their ability to achieve academic or personal goals may wish to consider utilizing FAU's Counseling and Psychological Services (CAPS) Center. CAPS provides FAU students a range of services – individual counseling, support meetings, and psychiatric services, to name a few – offered to help improve and maintain emotional well-being. For more information, go to <http://www.fau.edu/counseling/>

CODE OF ACADEMIC INTEGRITY POLICY STATEMENT: Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty is considered a serious breach of these ethical standards, because it interferes with the university mission to provide a high quality education in which no student enjoys an unfair advantage over any other. Academic dishonesty is also destructive of the university community, which is grounded in a system of mutual trust and places high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. For more information, see University Regulation 4.001 and the WHC Academic Honor Code at <http://www.fau.edu/honors/academics/honor-code.php>.

Collaboration and the Honor Code: You are expected to adhere to the Honor Code (see [HC Honor Code](#) and [FAU Honor Code](#)).

DISCLAIMER: The instructor reserves the right to change/alter/add/delete any statement from this syllabus in hopes of creating a more enjoyable/equitable course.
