Linear Algebra MATH 2318-06 (26565)

Syllabus

Semester: Fall 2017
Classes: Monday and Wednesday 9:25 am - 10:40 pm (MAGC 1.418)
Instructor: Dr. Paul-Hermann Zieschang
Phone: 956-665-7063
Email: paulhermann.zieschang@utrgv.edu
Office Hours: Monday and Wednesday 4:30 pm - 6:30 pm (MAGC 3.734)


Course Description: Topics include vector spaces, subspaces, quotient space, linear maps, the Homomorphism Theorem, the dimension formula, the relationship between linear maps and matrices, working with matrices.

Prerequisites: Calculus I (MATH 2414)

Learning Objectives/Outcomes for the Course: After completing this course students will be able to understand the concept of a vector space, a subspace, a quotient space, a linear map, the Homomorphism Theorem, the dimension formula, compare linear maps with matrices, to work with matrices.

Grading Policies: UTRGVs grading policy is to use straight letter grades (A, B, C, D, or F). Project and/or oral participation: 60%, midterm: 20%, final examination: 20%. Late work will be not considered.

Calendar of Activities: The UTRGV academic calendar can be found at the webpage https://my.utrgv.edu/home at the bottom of the screen, prior to login. Some important dates for Fall 2017 include: August 28 First day of classes, August 31 Last day to add a course or register for fall 2017, September 4 Labor Day NO classes, November 15 Last day to drop a course; will count toward the 6-drop rule, November 23 26 Thanksgiving Holiday NO classes, December 6 Last day of classes, December 7 Study Day NO class, December 8-14 Fall 2017 Final Exams, December 15-16 Commencement Ceremonies.

Students with Disabilities: Students with a documented disability (physical, psychological, learning, or other disability which affects academic performance) who would like to receive academic accommodations should contact Student Accessibility Services (SAS) as soon as possible to schedule an appointment to initiate services. Accommodations can be arranged through SAS at any time, but are not retroactive. Students who suffer a broken bone, severe injury or undergo surgery during the semester are eligible for temporary services. Brownsville Campus: Stu-
dent Accessibility Services is located in Cortez Hall Room 129 and can be contacted by phone at (956) 882-7374 (Voice) or via email at ability@utrgv.edu. Edinburg Campus: Student Accessibility Services is located in 108 University Center and can be contacted by phone at (956) 665-7005 (Voice), (956) 665-3840 (Fax), or via email at ability@utrgv.edu.

**Mandatory Course Evaluation Period:** Students are required to complete an ONLINE evaluation of this course, accessed through your UTRGV account (http://my.utrgv.edu); you will be contacted through email with further instructions. Students who complete their evaluations will have priority access to their grades. Online evaluations will be available: Fall 2017 Module 1 Oct. 5 Oct. 11, Fall 2017 Module 2 Nov. 29 Dec. 5, Fall 2017 (full semester) Nov. 15 Dec. 6.

**Attendance:** Students are expected to attend all scheduled classes and may be dropped from the course for excessive absences. UTRGV's attendance policy excuses students from attending class if they are participating in officially sponsored university activities, such as athletics; for observance of religious holy days; or for military service. Students should contact the instructor in advance of the excused absence and arrange to make up missed work or examinations.

**Scholastic Integrity:** As members of a community dedicated to Honesty, Integrity and Respect, students are reminded that those who engage in scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and expulsion from the University. Scholastic dishonesty includes but is not limited to: cheating, plagiarism (including self-plagiarism), and collusion; submission for credit of any work or materials that are attributable in whole or in part to another person; taking an examination for another person; any act designed to give unfair advantage to a student; or the attempt to commit such acts. Since scholastic dishonesty harms the individual, all students and the integrity of the University, policies on scholastic dishonesty will be strictly enforced (Board of Regents Rules and Regulations and UTRGV Academic Integrity Guidelines). All scholastic dishonesty incidents will be reported to the Dean of Students.

**Sexual Harassment, Discrimination, and Violence:** In accordance with UT System regulations, your instructor is a Responsible Employee for reporting purposes under Title IX regulations and so must report any instance, occurring during a student's time in college, of sexual assault, stalking, dating violence, domestic violence, or sexual harassment about which she/he becomes aware during this course through writing, discussion, or personal disclosure. More information can be found at www.utrgv.edu/equity, including confidential resources available on campus. The faculty and staff of UTRGV actively strive to provide a learning, working, and living environment that promotes personal integrity, civility, and mutual respect that is free from sexual misconduct and discrimination.

**Course Drops:** According to UTRGV policy, students may drop any class without penalty earning a grade of DR until the official drop date. Following that date, students must be assigned a letter grade and can no longer drop the class. Students considering dropping the class should be aware of the 3-peat rule and the 6-drop rule so they can recognize how dropped classes may affect their academic
success. The 6-drop rule refers to Texas law that dictates that undergraduate students may not drop more than six courses during their undergraduate career. Courses dropped at other Texas public higher education institutions will count toward the six-course drop limit. The 3-peat rule refers to additional fees charged to students who take the same class for the third time.

**Other Course Information:** The use of electronic devices (texting or internet browsing) is not allowed during classes. Oral participation in class is crucial for the final grade.