

**Welcome to Math 3343 - Introduction to Mathematical Software
At The University of Texas in the Rio Grande Valley, Spring 2018**

Instructor: Dr. Josef Sifuentes
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Please include MATH3343 in the subject line
and your full name somewhere in the text.
Office: MAGC 3.614
Office hours: Monday–Thursday 10:00 – 11:00 am, in MAGC 3.614 (office)
Friday 11:00 am – noon in MAGC 2.208 (computer lab)
or by appointment, office hours are subject
to change, notification will be made by email.
Class Time Monday and Wednesday, 12:15 – 1:30 pm
Class Location Edinburg Campus: MAGC 1.302
Brownsville Campus: LHSB #61 1.312

Calendar

Tuesday	January 16	Classes at UTRGV begin
Wednesday	Jan. 17	First day of MATH 3343 (You pumped or what?!)
Wednesday	Jan. 31	Census day (Last day to Drop without it appearing on the transcript)
Wednesday	Mar. 7	First Midterm Exam
Monday-Friday	Mar. 12 – 16	Spring Break
Thursday	Apr. 12	Drop / Withdrawal Deadline
Wednesday	Apr. 25	Second Midterm Exam
Wednesday	May 9 10:15 – noon	Final Exam (in regular classroom)

Required Text:

- *Numerical Computing with Matlab* by Cleve Moler
This book is available for **FREE** at http://www.mathworks.com/moler/index_ncm.html.
- *Experiments with Matlab* by Cleve Moler
This book is available for **FREE** at <http://www.mathworks.com/moler/exm/index.html>.

Prerequisites: MATH 2318 Linear Algebra, MATH 2414 Calculus II (or equivalent)

Class Objectives: The successful student will be able to use MATLAB to

1. Create models and simulations of important phenomenon in science and engineering.
2. Implement algorithms for solving linear, nonlinear, and differential equations.
3. Employ proper coding techniques and etiquette as well as documentation.
4. Visualize results and data in concise, effective and aesthetically pleasing ways.

Grading policy: The grade cutoffs **may** be adjusted to reflect the mean of the final averages. The lower bound of the cutoffs will not be curved upward.

Homework Aggregate	50%	$90\% \leq A$
In-Class Assignments	10%	$80\% \leq B < 90\%$
Each Midterm Exam	10%	$70\% \leq C < 80\%$
Final Project	20%	$60\% \leq D < 70\%$
		$F < 60\%$

Due to Federal Laws protecting student privacy rights, I cannot discuss grades over unsecured email or telephone.

Homework: Homework assignments will be posted approximately weekly. Late homework is not generally accepted and is at the discretion of the instructor. Working with others on the homework assignments is **strongly encouraged**, however all homework assignments **must be written up and understood independently**. This means that I encourage working together to understand the material and homework assignments, but you should be independently writing your own code for the assignments. Sharing or exchanging code is prohibited and will result in a score of an F. Viewing past homework or homework solutions is **not allowed**.

Exams: There will be two midterms and final assessment of your mastery of the course material. The final assessment will either be through a project where each student is required to work individually, without the help, collaboration or guidance of anyone else apart from the instructor.

Attendance and Making up Work 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. If there is an emergency precluding advance notice, please notify me as soon as possible and provide written documentation as soon as you are able. If you are ill or injured, please submit a note from a health care professional excusing you from work or school. It is your responsibility to schedule a make-up exam, which can only be given if written evidence of an excused absence is provided in a timely manner.

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, 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 in an environment free from sexual misconduct and discrimination.

Students with Disabilities If you have a documented disability (physical, psychological, learning, or other disability which affects your academic performance) and would like to receive academic accommodations, please inform your instructor and contact Student Accessibility Services to schedule an appointment to initiate services. It is recommended that you schedule an appointment with Student Accessibility Services before classes start. However, accommodations can be provided at any time. Brownsville Campus: Student Accessibility Services is located in Cortez Hall Room 129 and can be contacted by phone at (956) 882-7374 (Voice) or via email at accessibility@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 accessibility@utrgv.edu.

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.

Student 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. Online evaluations will be available Nov. 18 – Dec. 9, 2015. Students who complete their evaluations will have priority access to their grades.

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