Course #: Math 4329 CRN: 33689
Course Title: Numerical Analysis
Credit Hrs.: 3
Term: SUMMER 2 2021

Course Meetings & Location: ONLINE
Prerequisite Courses: The official UTEP catalog lists the following as prerequisites for Math 4329:
Prerequisite(s): (MATH 3323 w/C or better) OR (MATH 4326 w/C or better).

Instructor: Osvaldo Mendez
Office Location: Bell 217
Contact Info: Phone # 747-6862
E-mail address osmendez@utep.edu
Fax # 915-747-6502 (Math Department)
Emergency Contact 915-747-5761 (Math Department)
Office Hrs.: By appointment in writing, from an official UTEP e-mail account.

Textbook(s), Materials: Required:

<table>
<thead>
<tr>
<th>Required</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Elementary Numerical Analysis</td>
<td>Kendall Atkinson, Weimin Han</td>
</tr>
</tbody>
</table>

Edition: Third Edition
Publisher: John Wiley and Son, 2004

Textbook required at all class meetings. Reviews are based on textbook. Exams are based on textbook. It is every student individual responsibility to make sure he/she has the correct review problem set as assigned by the instructor.

Course Content: The official UTEP catalog lists the following as class content:
Numerical Analysis: This course is concerned with numerical algorithms for solving basic mathematical problems in science and engineering. Topics include, but are not limited to, computer arithmetic, nonlinear root finding algorithms, polynomial interpolation, numerical differentiation and integration, direct and iterative methodss for linear systems, and solution of ordinary differential equations. Computer implementation of algorithms will be an essential component of the course as well.
**Activities/Assignment:** There will be two midterm exams and a final exam. No make-ups, no retakes for any exam.

Midterms and final will be based on regularly assigned homework. Each student is responsible for working on the review problems. Questions about the reviews are welcome. All steps of every problem MUST be clearly worked out in detail in all exams. Consistent standard notation must be used in the solution of every problem. Any part of any problem in which unexplained notation is used, will carry 0 credit, even if correct. Significant credit (even the totality of credit allotted to a problem) will be lost for using inconsistent notation throughout a problem. **No credit will be received for incomplete, unjustified, unsupported or messy answers.** Exams with no legibly printed name on each page will get ZERO (0) credit, will not be graded and will not be returned.

Communication will take place through email and Blackboard. Feel free to contact the instructor if you have questions or concerns or need help with the class material. Avoid falling behind.

**Assessment of Course:** Midterm exams, final exam. Grade is calculated ONLY on OFFICIALLY SCHEDULED EXAMS.

**Course Schedule:** The last day to drop the course without a "W" is Friday, July 23, 2021.

The college of science will not approve any student- or faculty-initiated drop requests for a course after that date, except under circumstances of complete withdrawal of all courses due to medical or non-medical reasons.

Please note that the College of Science will remain aligned with the University and will not approve any drop requests after that date.

Drop Date: 07/23/2021.

**IMPORTANT:** After the drop date, you can be dropped only with an F. No exceptions.
The instructor will not grant a W after the drop date.

First Midterm: Tuesday, July 13, 2021.
Final Exam (Comprehensive, mandatory): Tuesday August 3rd, 2021 (NO MAKE- UPS).

The answers to all problems in all exams must be written clearly and legibly. All work must be shown in detail. **Answers with no detailed supporting work will carry zero credit even if correct. Exams with no names will carry a score of ZERO and will NOT be returned. The student name must be written on every page of the exam.**

**Grading Policy:** Each Midterm is worth 30% of the final grade. The final exam is worth 40% of the final grade.

No extra credits or extra work other than as indicated below. Grade is determined based exclusively on the officially scheduled exams. The final
score computed according to the above percentages will be curved using a Bell curve.

**INCOMPLETES:**
IN ORDER TO BE GRANTED AN INCOMPLETE, A STUDENT MUST HAVE COMPLETED AT LEAST 60 PERCENT OF THE COURSEWORK WITH A GRADE OF C OR BETTER. **IN PARTICULAR, TO BE CONSIDERED FOR AN INCOMPLETE, A STUDENT MUST HAVE COMPLETED MIDTERM I AND MIDTERM II WITH A GRADE OF C OR BETTER,** A GRADE OF INCOMPLETE WILL NOT BE GRANTED TO ANYBODY WHO HAS TAKEN THE FINAL EXAM.

**Make-up Policy:** If a student misses a midterm for a VALID, OFFICIALLY DOCUMENTED reason, the weight of the missing exam will be transferred to the final. **No make up for the final exam.**

**Academic Integrity Policy:** The University policy is that all suspected cases or acts of alleged scholastic dishonesty must be referred to the Dean of Students for investigation and appropriate disposition. Any student who commits an act of scholastic dishonesty is subject to discipline. Scholastic dishonesty includes, but is not limited to cheating, plagiarism, collusion, and the 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. Each student is responsible for notice of and compliance with the provisions of the Regents’ Rules and Regulations, which are available for inspection electronically at http://www.utsystem.edu/bor/rules/homepage.htm

All students are expected and required to obey the law, to comply with the Regents’ Rules and Regulations, with System and University rules, with directives issued by an administrative official in the course of his or her authorized duties, and to observe standards of conduct appropriate for the University. A student who enrolls at the University is charged with the obligation to conduct himself/herself in a manner compatible with the University's function as an educational institution. Any student who engages in conduct that is prohibited by Regents’ Rules and Regulations, U.T. System or University rules, specific instructions issued by an administrative official or by federal, state, or local laws is subject to discipline, whether such conduct takes place on or off campus or whether civil or criminal penalties are also imposed for such conduct.

**Civility Statement:** Calculators are not allowed during any of the officially scheduled exams. Please do not use cell phones, pagers, IPs, MP3 players, blue tooth devices, etc. during class. Cell phones and pagers should be set to silent or vibrate, and any calls should be taken outside of class. Please do not wear headsets or blue tooth devices during class. Please don’t talk in class. Cell phone calculators may not be used on quizzes or
exams. Active participation in class is expected, teamwork in class will be implemented. Students are expected to arrive/leave on time and not to disrupt other student’s right to learning. Any student exhibiting behavior that is, in the opinion of the instructor, disruptive and/or incompatible with a learning environment in line with the World-Class reputation of Our Institution, will be asked to leave the classroom and 50 points will be taken off his/her final grade, for every such occurrence. No extra time for arriving late to any exam, including the final. Absolutely no trips to the bathroom during the exam. Students are not allowed to leave the classroom during any midterm exam or during the final exam.

Disability Statement: If a student has or suspects she/he has a disability and needs an accommodation, he/she should contact The Center for Accommodations and Support services (CASS) at 747-5148 or at <cass@utep.edu> or go to Room 106 Union East Building. The student is responsible for presenting to the instructor any CASS accommodation letters and instructions.

Military Statement: If you’re a military student with the potential of being called to military service and/or training during the semester, please contact me by the end of the first week of class.