

MATH 3063 – Differential Equations Spring 2020

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Dept. web: <https://www.tarleton.edu/math/index.html>

University Policy: Students are responsible for knowing and abiding by the policies and information contained in the Tarleton Student Handbook. [TSUSH]

Student Responsibilities: The student is *solely* responsible for:

- Completing each assignment by the specified due date.
- Obtaining assignments and other materials for classes from which they are absent.
- Utilizing, as needed, all available study-aid options (including meeting with the instructor, going to the Mathematics Clinic, using tutorial software, purchasing a student solutions manual, hiring a personal tutor, etc.) to resolve any questions that they might have regarding homework, course material, and/or technology projects.
- Giving as much effort as it takes to satisfactorily pass this course.

Academic Conduct: Students guilty of academic dishonesty, cheating, or plagiarism in academic work shall be subject to disciplinary action. [TSUSH] The instructor may initiate disciplinary action in any case of academic misconduct.

Services for Students with Disabilities: *It is the policy of Tarleton State University to comply with the Americans with Disabilities Act and other applicable laws. If you are a student with a disability seeking accommodations for this course, please contact the Center for Access and Academic Testing, at 254.968.9400 or caat@tarleton.edu. The office is located in Math 201. More information can be found at www.tarleton.edu/caat or in the University Catalog.*

Absence Policy: Class absence policies will be established and enforced by each individual course instructor. The course instructor may recommend to the Dean of Students that a student be dropped from a course if excessive absences prevent satisfactory progress. [TSUSH]

Makeup Policy: Each course instructor has the responsibility and authority to determine if work can be made-up because of absences. [TSUSH] Students may request make-up considerations for valid and verifiable reasons such as the following:

- Illness
- Death in the immediate family
- Legal proceedings
- Participation in sponsored University activities (It is the responsibility of students who participate in University-sponsored activities to obtain a written explanation for their absence from the faculty/staff member who is responsible for the activity.)

Drop Policy: A student who withdraws from a course before the thirteenth class day of a regular semester or before the fifth class day in a summer term receives no grade, and the course will not

be listed on that student's permanent record. A student who withdraws from a course before the end of the tenth week of a regular semester or the fourteenth class day of a summer term receives a grade of W. [TSUCAT]

Calculator Policy: All students are required to have an approved graphing calculator when taking this course. During the administration of a test, the use of calculators may be restricted, at the discretion of the instructor. Students may also be restricted to the use of a calculator that does not have course notes stored in the memory. The instructor reserves the right to examine and delete material from the memory of a student's calculator before approving its use on an exam.

Text: Elementary Differential Equations and Boundary Value Problems by Boyce and DiPrima, tenth edition. Help me help you learn...please read ahead. As a student, it is possible to obtain a free copy of *Mathematica* from Wolfram.

Homework Policy: Homework will be assigned for each section covered. Homework will be due at the beginning of the second class meeting (lecture) after the topic for that assignment has been covered. Late homework will not be accepted in the case of unexcused absences.

Revised Homework Policy: The homework that was collected before spring break will still count. If face-to-face classes resume, then homework will be collected at that time. If face-to-face classes do not resume, then (1) the homework was good practice; (2) two low scores will be dropped from the homework collected before spring break; (3) Quizzes will replace the homework that would have been collected after spring break.

Quizzes: Quizzes can be given at the beginning class instead of (and to replace the grade of) the homework due that day.

Revised Quiz Policy: Until face-to-face classes resume, expect quizzes over the sections listed in the revised calendar. The quizzes will be emailed to each student and also posted on the class website. Due dates will be given. To submit your work, scan it or take a picture and send that to me via email: white@tarleton.edu . If this is not possible, then other arrangements will be made (possibly USPS). If face-to-face classes resume, then the quiz grades will be incorporated into the homework/quiz grade. If not, then the quizzes will replace the portion of the homework that would have been collected after spring break.

Technology Projects: In this class you will demonstrate mastery of Mathematica. Consequently, we will use this software to explore various aspects of differential equations. We will use Mathematica in class, as part of exams and/or as take home labs. Labs will most likely be chosen from Chapter 8 material.

Exams: Four “one hour” and/or “take home” exams will be given on or about the dates specified on the course calendar. The final exam will be comprehensive.

Revised Exam Policy: All exams on the revised calendar scheduled after spring break will be take home. Copies of the exams will be emailed to the students and posted on the class website. Due dates for the exams are listed on the class calendar. To submit your work, scan it or take a picture and send that to me via email: white@tarleton.edu . If this is not possible, then other arrangements will be made (possibly USPS).

Grading Policy: What follows is a worst case grading scale. The instructor reserves the right to adjust the scale to the benefit of the students but is not obligated to do so.

Homework/Quizzes	200 pts	900-1000 pts	A
Projects (labs)	200 pts	800-899 pts	B
Four exams	400 pts	680-799 pts	C
Final exam	200 pts	550-679 pts	D
		0-549 pts	F
Total	1000 pts		

Notes:

- In the event that the university is closed for a scheduled class time, whatever was scheduled for that day and/or whatever was due that day will be scheduled and/or due on the next scheduled class time.
- You are expected to present a TSU ID upon request.
- **All items contained in this syllabus are subject to change as the semester progresses. Students will be notified in advance of any changes.**