

MATH 3304, Elementary Differential Equations, Sections B and L
Spring 2019 Course Syllabus Instructor: Dr. Elvan Akin

Canvas:

Resource: Information, materials, and resources for all Math 3304 students will be posted. In Canvas, go to Courses -> All Courses -> Browse More Courses. The resource course will be on the main page.

Office Hours: Monday, Wednesday, Friday 9AM-9:50AM, 310 Rolla Building

Prerequisite: Mathematics 2222 (Calculus with Analytic Geometry III) with a grade of "C" or better.

Section C: Monday, Wednesday, Friday 10:00 – 10:50 a.m., Campus Support Facilities G5D

Section L: Monday, Wednesday, Friday 11:00 – 11:50 a.m., Campus Support Facilities G5D

Main Text: *Fundamentals of Differential Equations* (9th edition), Nagle, Saff, & Snider, Pearson, 2018.

If you want more worked examples, try: *Schaum's Outline of Differential Equations* (4th edition, 2014).

Topics to be covered:

Chapter 1	Introduction
Chapter 2, Section 3.2	First-Order Differential Equations
Chapter 4	Second-Order Linear Equations
Chapter 6	Higher-Order Linear Equations
Chapter 7	The Laplace Transform
Section 5.1, Chapter 9	Systems of First-Order Linear Equations

Attendance: If you miss a class, you are responsible for all material, announcements, and assignments that you missed. (Talk to others in the class, check the course schedule, and check Canvas.) I will take attendance each class, but this is for my own records only – I will not penalize you or drop you from the course for lack of attendance. It is your responsibility to learn the material; attending each class should help with this!

Electronic Devices: In general, use of cell phones and other electronic devices in class is not allowed. Send me an email or talk to me sometime before or after class if you would like to ask for an exception to this policy.

Grading: Grades will be determined based on demonstrated proficiency on homework and examinations. The final grade will be based on the following:

Homework	100 points
Common Midterm Exams	300 points (three exams at 100 points each – 5:00 – 5:50 pm, dates below)
Common Final Exam	200 points (Monday, May 13th, 10:00 a.m. – 12:00 p.m.)

Grading scale: There are 600 total points. If you score at least 540 points, you are guaranteed to earn an A; 480 points guarantees a B; 420 points guarantees a C; and 360 points guarantees a D.

Midterm exams: We will have three **common** hour exams worth 100 points each from **5:00 to 5:50 p.m.** on three **Thursdays** this semester: **February 21, April 4, and May 2.** Please realize that these three Thursday evening examinations are regularly scheduled classes. It is the responsibility of each student to ensure that he or she is not enrolled in two or more regularly scheduled classes at the same time slot. In particular, student attendance is required at these three Thursday evening Math 3304 hour exams and no alternate exam times will be provided for students who claim a conflict with another regularly scheduled S&T class.

Calculators or other electronic devices are not allowed on all Math 3304 exams. Samples of Math 3304 exams, with solutions, are posted online in the Canvas Math 3304 resource course.

Exam Replacement: Your lowest hour exam score will be replaced by your percentage score on the final exam provided this improves your point total in the course. *Note that this accounts for an hour exam that is missed for any reason.*

Homework:

- Due each week, starting the second week of class
- In MyMathLab; see Canvas
- We will not take time to answer homework questions in class. For questions, come to my office hours, make an appointment to meet with me, go to LEAD sessions, etc.

Grading details:

- On your exams, you are expected to show your work clearly and completely. You will be graded on your work as well as your answers. In particular, an answer that is unsupported by your work will not receive credit.
- If you have a question about a grade on an exam, bring your work to me within one week after I returned the graded exam in class. After this one week time period, the grade on your exam may not be altered.

Question/Concern Resolution: If you ever have a question, problem, or concern about anything in this course, please come see me first. If this does not resolve the matter, you should next speak with the course coordinator, Prof. John Singler, in room 312 of the Rolla Building. If your concern still is unresolved, then see the Mathematics and Statistics Department Undergraduate Coordinator, Prof. Paul Runnion, in room 212 of the Rolla Building. If you still have a concern, then see our Department Chair, Prof. Stephen Clark, in room 202 of the Rolla Building.

Accessibility and Accommodations: It is the university's goal that learning experiences be as accessible as possible. If you anticipate or experience physical or academic barriers based on disability, please contact Disability Support Services at (573) 341-6655, dss@mst.edu, or visit <http://dss.mst.edu/> for information, or go to mineraccess.mst.edu to initiate the accommodation process.

If you need to take your exams in the Testing Center, you have to submit your accommodation letter to me by **Wednesday, February 13. A refusal of service from the Testing Center may result if your accommodation letter is submitted after February 13.**

**Please be aware that any accessible tables and chairs in this room should remain available for students who find that standard classroom seating is not usable.*

Academic Honesty: Page 30 of the Student Academic Regulations handbook describes the student standards of conduct relative to the University of Missouri System's Collected Rules and Regulations section 200.010, and offers descriptions of academic dishonesty including cheating, plagiarism or sabotage. Academic dishonesty will not be tolerated and will result in a penalty of at least a failing grade on the affected assignment or exam.

Also see the [student council honor code](#) and [student resources for academic integrity](#) from Academic Support.

Title IX:

Missouri University of Science and Technology is committed to the safety and well-being of all members of its community. US Federal Law Title IX states that no member of the university community shall, on the basis of sex, be excluded from participation in, or be denied benefits of, or be subjected to discrimination under any education program or activity. Furthermore, in accordance with Title IX guidelines from the US Office of Civil Rights, Missouri S&T requires that all faculty and staff members report, to the Missouri S&T Title IX Coordinator, any notice of sexual harassment, abuse, and/or violence (including personal relational abuse, relational/domestic violence, and stalking) disclosed through communication including but not limited to direct conversation, email, social media, classroom papers and homework exercises.

Missouri S&T's Title IX Coordinator is interim chief diversity officer Neil Outar. Contact him (naoutar@mst.edu; (573) 341-6038; The Diversity House, 605 W. 11th St.) to report Title IX violations. To learn more about Title IX resources and reporting options (confidential and non-confidential) available to Missouri S&T students, staff, and faculty, please visit <http://titleix.mst.edu>.

LEAD Learning Assistance

The Learning Enhancement Across Disciplines Program (LEAD) sponsors free learning assistance in a wide range of courses for students who wish to increase their understanding, improve their skills, and validate their mastery of concepts and content in order to achieve their full potential. LEAD assistance starts no later than the third week of classes. Check out the online schedule at <http://lead.mst.edu/assist>, using zoom buttons to enlarge the view. Look to see what courses you are taking have collaborative LEAD learning centers (bottom half of schedule) and/or Individualized LEAD tutoring (top half of the schedule). For more information, contact the LEAD office at 341-7276 or email <mailto:lead@mst.edu>.

The Student Success Center

The Student Success Center is a centralized location designed for students to visit and feel comfortable about utilizing the campus resources available. The Student Success Center was developed as a campus wide initiative to foster a sense of responsibility and self-directedness to all S&T students by providing peer mentors, caring staff, and approachable faculty and administrators who are student centered and supportive of student success. Visit the SSC at 198 Toomey Hall; 573-341-7596; success@mst.edu; facebook: www.facebook.com/SandTssc; web: <http://studentsuccess.mst.edu/>