1. GOAL. The goal of this course is to achieve a firm understanding of the basic concepts of Differential Equations and Linear Algebra. The four main topics covered will be: 1) Differential equations; 2) Systems of equations and matrices; 3) Vector spaces and linear transformations; and 4) Linear differential equations and systems. Students are encouraged to work on problems on their own, as it is very likely to be the only manner in which to achieve an adequate comprehension of the material.

2. EVALUATION. Students will have to hand in 15-18 assignments. There will be four quizzes, three tests, and one final exam.
FINAL GRADE = Assignments (20%) + Quizzes (20%) + Tests (45%) + Final (15%).
IMPORTANT: Assignments must be clean and well written, on single-sided pages, with the full statement of the problem, stapled, and with a cover sheet with your name, assignment number, and the date. Electronic submissions are encouraged.

3. BOOK. We will be using the book Introduction to Differential Equations and Linear Algebra, by Sergey Lvin (available at the UMaine bookstore). Chapters 1-4.

Academic Honesty Statement: Academic honesty is very important. It is dishonest to cheat on exams, to copy term papers, to submit papers written by another person, to fake experimental results, or to copy or reword parts of books or articles into your own papers without appropriately citing the source. Students committing or aiding in any of these violations may be given failing grades for an assignment or for an entire course, at the discretion of the instructor. In addition to any academic action taken by an instructor, these violations are also subject to action under the University of Maine Student Conduct Code. The maximum possible sanction under the student conduct code is dismissal from the University. Students with disabilities statement: If you have a disability for which you may be requesting an accommodation, please contact Disabilities Services, 121 East Annex, 581-2319, as early as possible in the term.

Course Schedule Disclaimer (Disruption Clause): In the event of an extended disruption of normal classroom activities, the format for this course may be modified to enable its completion within its programmed time frame. In that event, you will be provided an addendum to the syllabus that will supersede this version. Sexual Discrimination Reporting: The University of Maine is committed to making campus a safe place for students. Because of this commitment, if you tell a teacher about an experience of sexual assault, sexual harassment, stalking, relationship abuse (dating violence and domestic violence), sexual misconduct or any form of gender discrimination involving members of the campus, your teacher is required to report this information to the campus Office of Sexual Assault & Violence Prevention or the Office of Equal Opportunity. If you want to talk in confidence to someone about an experience of sexual discrimination, please contact these resources: For confidential resources on campus: Counseling Center: 207-581-1392 or Cutler Health Center: at 207-581-4000. For confidential resources off campus: Rape Response Services: 1-800-310-0000 or Spruce Run: 1-800-863-9909. Other resources: The resources listed below can offer support but may have to report the incident to others who can help: For support services on campus: Office of Sexual Assault & Violence Prevention: 207-581-1406, Office of Community Standards: 207-581-1409, University of Maine Police: 207-581-4040 or 911. Or see the OSAVP website for a complete list of services at http://www.umaine.edu/osavp/