Syllabus – Math 3335

Dr. Charles Diminnie – MCS 220 K (486 –5430),
charles.diminnie@angelo.edu
Office Hours:  MWF 2:00 – 4:00 PM; TTh 1:00 – 4:00 PM
Textbook: Differential Equations: From Calculus to Dynamical Systems by V. W. Noonburg

Test #1 – Wednesday, February 17
Sections 1.1.1, 1.1.3, 2.1, 2.2, 2.3, 2.4, 2.5.1, 2.5.2, 2.6.1

Test #2 – Friday, March 12
Sections 3.1, 3.2.1, 3.2.2, 3.4.1, 3.4.2, 3.6.1, plus linear operators and annihilators

Test #3 – Wednesday, April 7
Sections 6.1.1, 6.1.2, 6.1.3, 6.2.1, 6.3.1, 6.3.2

Test #4 - Wednesday, April 28
Sections 3.6.2, 4.1.2, 6.3.2

(On April 27 and May 3, 5, and 7, additional solution methods will be covered. This material will be included among the topics for the final exam.)

Final Exam: Wednesday, May 12, 8:00 – 10:00 AM, MCS 100
The four tests will be worth 100 points each and the comprehensive final exam will be worth 200 points. Homework will be worth 50 points. After the final exam has been graded, a scale will be determined to decide final grades for the course. Non-binding indications of your progress will be given at mid-semester (after Test #2) and prior to the final exam (after Test #4). Please realize that these are indications only and will not be used in computing your final grade. You are invited to visit my office at any mutually convenient time to discuss your progress in this course.

Student Learning Outcomes

- **Students will demonstrate factual knowledge of mathematical notation and terminology used in this course.** Students will demonstrate the ability to read, interpret, and use the vocabulary, symbolism and basic definitions that arise in the study of ordinary differential equations.

- **Students will be able to describe the fundamental principles involved in the study of differential equations.** Students will demonstrate familiarity with the theorems about and the characteristics of various types of differential equations. For example, students will understand the concepts of existence and uniqueness of solutions, classifications of differential equations, and a variety of related solution methods.

- **Students will develop specific skills, competencies, and thought processes sufficient to support further work in this or related fields.** Students will acquire a level of proficiency in the concepts and applications necessary for work in occupational fields requiring a background in Differential Equations. These fields might include computer science, engineering, the physical and natural sciences as well as mathematics.

- **Students will be able to apply techniques and procedures covered in this course to solve problems.** Students will be able to analyze differential equation models in fields such as physics, biology, and engineering, and will be able to apply analytical techniques to solve 1st and 2nd order differential equations or obtain solutions using computer software or approximation techniques.
### Tentative Schedule

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### Class Policy – Dr. Charles Diminnie

1. **Attendance** – Students are expected to attend every class. If a class is missed, it is the student’s responsibility to cover the material for that class and to determine all information discussed in that class. In particular, absence from class does not excuse a student from homework assignments or announcements about upcoming tests. Excessive absences will be reported to the appropriate university authorities.

2. **Homework** – Homework will be assigned in most classes. Unless other directions are given, homework assignments will be collected at the start of the next class. Every effort will be made to return collected assignments within one class period. As indicated in the course syllabus, homework assignments will be worth 50 points toward the final point total for the course. Late homework assignments will not be accepted.

3. **Tests and the Final Exam** – The approximate dates and topics for the tests are noted on the course syllabus. A firm date and list of topics will be announced at least one week prior to each test. Any test missed without a serious excuse will be assigned a grade of 0. Ordinarily, this will result in a failing
grade for the course. If a serious excuse is presented (and accepted by the Instructor), alternate means of
testing will be arranged. It is the student’s responsibility to present all excuses to the Instructor and to see
that arrangements are made for satisfying the missed test.

The comprehensive final exam will be given at the time and place specified in the course syllabus. As
with tests, only a serious excuse will be considered for any request to alter this schedule. (Oversleeping or
a desire to leave early for a vacation does not constitute a serious excuse). Failure to take the final exam
will result in a failing grade for the course.

4. Academic Honesty – Any instance of academic dishonesty on homework, tests, or the final exam
will result in a grade of 0. A grade of 0 on a test will most likely guarantee a failing grade for the course; a
grade of 0 on the final exam will result in a failing grade for the course. Angelo State University expects
its students to maintain complete honesty and integrity in their academic pursuits. Any student found
guilty of any form of dishonesty in academic work is subject to disciplinary action and possible expulsion
from ASU. The College of Science and Engineering adheres to the university’s Statement of Academic
Integrity.

5. Student Disability Services – ASU is committed to the principle that no qualified individual
with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits
of the services, programs, or activities of the university, or be subjected to discrimination by the university,
as provided by the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act
Amendments of 2008 (ADAAA), and subsequent legislation.
The Office of Student Affairs is the designated campus department charged with the responsibility of
reviewing and authorizing requests for reasonable accommodations based on a disability. It is the student’s
responsibility to initiate such a request by contacting:
Dallas Swafford
Director of Student Disability Services
Houston Harte University Center, Room 112
Office of Student Affairs
325-942-2047
dallas.swafford@angelo.edu

Title IX at Angelo State University – The University prohibits discrimination based on sex,
which includes pregnancy, sexual orientation, gender identity, and other types of Sexual Misconduct.
Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination
including: sexual assault, sex-based discrimination, sexual exploitation, sexual harassment, public
indecency, interpersonal violence (domestic violence and/or dating violence), and stalking. As a faculty
member, I am a Responsible Employee meaning that I am obligated by law and ASU policy to report any
allegations I am notified of to the Office of Title IX Compliance.

Students are encouraged to report any incidents of sexual misconduct directly to ASU’s Office of Title IX
Compliance and the Director of Title IX Compliance/Title IX Coordinator at:

Michelle Miller, J. D.
Director of Title IX Compliance/Title IX Coordinator
Mayer Administration Building, Room 210
325-942-2022
michelle.miller@angelo.edu

You may also file a report online 24/7 at www.angelo.edu/incident-form.

If you are wishing to speak to someone about an incident in confidence, you may contact the University
Health Clinic and Counseling Center at 325-942-2173 or the ASU Crisis Helpline at 325-486-6345.

For more information about Title IX in general, you may visit www.angelo.edu/title-ix.
7. Incomplete Grade Policy – It is university policy that incomplete grades are reserved for student illness or personal misfortune. Please contact your Instructor if you have a serious illness or a personal misfortune that would keep you from completing course work. Documentation may be required. See ASU Operating Policy 10.11 Grading Procedures for more information.

8. Plagiarism – Plagiarism is a serious topic covered in ASU’s Academic Integrity Policy in the Student Handbook. Plagiarism is the action or practice of taking someone else’s work, idea, etc., and passing it off as one’s own. Plagiarism is literary theft. In your discussions and/or your papers, it is unacceptable to copy word-for-word without quotation marks and the source of the quotation. It is expected that students will summarize or paraphrase ideas giving appropriate credit to the source both in the body of your paper and the reference list. Papers are subject to be evaluated for originality via Turnitin. Resources to help you understand this policy better are available at the ASU Writing Center.

9. Copyright Policy – Students officially enrolled in this course should make only one printed copy of the given articles and/or chapters. You are expressly prohibited from distributing or reproducing any portion of course readings in printed or electronic form without written permission from the copyright holders or publishers.

10. Nuisance Policy – All cell phones and electronic devices must be turned off during class. If there is an emergency situation warranting the use of such devices, students must receive permission from the Instructor before the start of class. In particular, text messaging during class will not be tolerated.

11. Religious Holidays – Any student who intends to miss class to observe a religious holy day should make that intention known to the instructor in writing prior to the absence. (http://www.angelo.edu/opmanual/ -- OP 10.19)

12. General Policies Related to this Course – All students are required to follow the policies and procedures presented in the following documents:
   Angelo State University Student Handbook
   Angelo State University Catalog

13. Facial Covering – As a member of the Texas Tech University system, Angelo State University has adopted the mandatory Facial Covering Policy to insure a safe and healthy classroom experience. Current research on the COVID-19 virus suggests that there is a significant reduction in the potential for transmission of the virus from person to person by wearing a mask/facial covering that covers the nose and mouth areas. Therefore, in compliance with the university policy, students in this class are required to wear a mask/facial covering before, during, and after class. Faculty members may also ask you to display your daily screening badge as a prerequisite to enter the classroom. You are also asked to maintain safe distancing practices to the best of your ability. For the safety of everyone, any student not appropriately wearing a mask/facial covering will be asked to leave the classroom immediately. The student will be responsible to make up any missed class content or work. Continued non-compliance with the Texas Tech University System Policy may result in disciplinary action through the Office of Student Conduct.