Class hours: 527 MWF 1:50 – 2:40 HECC 108
             528 MWF 3:00 – 3:50 HECC 207
Web page: http://math.tamu.edu/~mvorobet/Math308/S20/
Office: BLOC 223A, e-mail: mvorobet@math.tamu.edu
Office hours: MWF 11:30 – 1:00, or by appointment

Course Description: Ordinary differential equations, solutions in series, solutions using Laplace transforms, systems of differential equations. Prerequisites: MATH 251 or equivalent; knowledge of computer algebra system.

Course Objectives: This course is to provide students with quantitative and problem-solving skills of differential equations. At the conclusion of this course, students should be able to:

- Solve basic first order ODE.
- Solve higher order linear ODE and systems of linear ODEs
- Be able to construct simple ODE models (linear and non-linear)
- Be able to conduct qualitative analysis of ODE models.

Text: Elementary Differential Equations, by Boyce and DiPrima, 11th ed., Wiley,

Course Web Page: The course web page will be my main source of communication to you aside from class and office hours. Check the course page regularly for announcements, exam information and the course schedule.
The Mathematics Department has a web-page for Math 308
http://www.math.tamu.edu/courses/math308/

Email Policy: Check your official TAMU email account regularly. You are responsible for any information I send via email. Because of the privacy rights, I cannot discuss grades via email or over the phone. Please include your name and the section number in the subject line.

Topics covered: This is a course in differential equations. Topics include linear ordinary differential equations and systems of linear differential equations, second order linear equations, solutions using Laplace transforms, numerical methods.

Quizzes: Quizzes will be given regularly starting the second week of classes, some of them will be in-class, some of them will be take-home. Basic knowledge of Python will be required for completing take-home quizzes. All quizzes are mandatory, although, the lowest grade will be dropped at the end of the semester. Problems will be selected from the list provided here https://www.math.tamu.edu/courses/math308/308currenthw.html
Make up quizzes will be provided if you have written evidence of an official University excused absence (see University Student Rules) AND contact me NO LATER than the second working day after the quiz to schedule a make-up quiz (See University Student Rules).

Suggested Homework: There will be no graded homework. However, if you want to succeed in the course, you are strongly recommendet to solve as many problems as possible from the following list https://www.math.tamu.edu/courses/math308/308currenthw.html

Examinations: Your grade will be determined by quizzes, two midterms, and a cumulative final exam.
The tentative midterms dates are: Exam I – Feb. 21, Exam II – April, 3.

The final exam is scheduled for
527 May, 4 3:30 – 5:30 HECC 108
528 May, 4 10:30 – 12:30 HECC 207

No collaboration on the midterms and on the final is allowed. The use of books, cell phones or notes of any sort during exams is not permitted.
Grading Policy:
EXAM I = 25%, EXAM II = 25%, QUIZZES = 20%, FINAL EXAM = 30%.
I may curve any grade and will then compute the course grade by the following rule: A for 90 – 100%, B for 80 – 90%, C for 70 – 80%, D for 60 – 70%, and F for 0 – 60%.

Weekly schedule: The (tentative) weekly schedule is posted on the MATH 308 course homepage at http://www.math.tamu.edu/courses/math308/308currentsched.html

Help Sessions and Week in Review: The Mathematics Department offers help sessions for Math 308 students. See http://www.math.tamu.edu/courses/helpsessions.html for schedule and more information. For week-in-review sessions see https://www.math.tamu.edu/courses/weekinreview.html for schedule and more information.

Make-up Policy:
• No make-ups will be given without written evidence of an official University excused absence (see University Student Rules). In addition, you must notify me NO LATER than the end of the second working day after the missed assignment.
• In the case of injury or illness, students are required to obtain a confirmation note from a health care professional affirming date and time of a medical office visit regarding the injury or illness.
• Make-up exams will be only allowed due to excused absences and the next possible make-up time be chosen from http://www.math.tamu.edu/courses/makeupexams.html

Late Work Policy: Late work (for which you do not have a University approved excused absence) will NOT be accepted. This includes all written and online assignments.

Scholastic Dishonesty: Copying work done by others, either in-class or out-of-class, is an act of scholastic dishonesty and will be prosecuted to the full extent allowed by University policy. Collaboration on assignments, either in-class or out-of-class, is forbidden unless I grant permission. If you cheat on an assignment, you will receive a zero. Also, you will be reported to the University.
Remember the Aggie Code of Honor:

“An Aggie does not lie, cheat, or steal or tolerate those who do.”

For more information about the Honor Council Rules and Procedures visit the web site:
http://www.tamu.edu/aggiehonor

Copyright notice: All course materials (both printed and web-based) are protected by U.S. Copyright Laws. No multiple copies can be made without written permission by the instructor.

Students with disabilities: Texas A&M University is committed to providing equitable access to learning opportunities for all students. If you experience barriers to your education due to a disability or think you may have a disability, please contact Disability Resources in the Student Services Building or at (979) 845-1637 or visit http://disability.tamu.edu. Disabilities may include, but are not limited to attentional, learning, mental health, sensory, physical, or chronic health conditions. All students are encouraged to discuss their disability related needs with Disability Resources and their instructors as soon as possible.