COURSE DESCRIPTION
DIFFERENTIAL EQUATIONS
MA 650-2C
FALL 2017

DEPARTMENT OF MATHEMATICS
UNIVERSITY OF ALABAMA AT BIRMINGHAM

Course Instructor: Dr. Carmeliza Navasca
E-mail: cnvasca@uab.edu
Office: CH 475B
Phone: (205) 934-8621
Office Hours: Mon 1:00 - 2:00 PM, Tue 12:15-1:30 PM, Thu 12:15-1:00 PM (or by appointment)

Course Info

Meeting times: TueThu, 11:00 AM-12:15PM
Meeting location: CH 458

Important Dates

First day of our class: August 29, 2017
Labor Day Holiday: September 4, 2017
Last day to drop without paying full tuition: September 5, 2017
Fall and Thanksgiving Break: November 20–26, 2017
Last day of our class: December 7, 2017
Midterm Date: October 18, 2017
Final Exam Date: Thursday, December 12, 2017 (not common final)

Course Policies

- Please make sure that you are able to receive e-mail through your Blazer-ID account.
- If you are contacted by the Early Alert Program, you should consider taking advantage of the services it offers.
- If you wish to request a disability accommodation please contact DSS at 934-4205 or at dss@uab.edu.

Course Description

*Date:* August 29, 2017.
linear systems, exponentials of operators, contraction operators, fundamental theory, stability of equilibria, Poincaré-Bendixson Theorem, periodic attractors, classical mechanics, nonautonomous equations and differentiability of flows, and perturbation theory

Class Management via Canvas

- Homework problems will be posted in canvas (http://www.uab.edu/online/canvas). Other class materials (class announcements, grades and etc.) will be posted in canvas. Students should log in to canvas at least once a day! (I prefer to receive emails via canvas.)
- Homework and other material will only be collected via canvas.

Assessment Procedures

- Student achievement will be assessed by the following measures:
  - **Weekly homework.** Homework will be due weekly. There will be no extension of deadlines for any reason. Homework contributes 25% to the course average.
  - **Participation.** Participation includes presentation 10%, evaluation 10% and asking/answering questions 5%.
  - **Midterm exam.** The midterm exam contributes 25% to the course average.
  - **Final project.** The final exam contributes 25% to the course average.
- Your final grade is determined according to the following table:

<table>
<thead>
<tr>
<th>Course performance</th>
<th>88-100</th>
<th>75-87</th>
<th>50-74</th>
<th>below 50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Final Grade</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>F</td>
</tr>
</tbody>
</table>

Academic Honor Code

The University of Alabama at Birmingham expects all members of its academic community to function according to the highest ethical and professional standards. Academic misconduct undermines the purpose of education. Such behavior is a serious violation of the trust that must exist among faculty and students for a university to nurture intellectual growth and development. Academic dishonesty and misconduct includes, but is not limited to, acts of abetting, cheating, plagiarism, fabrication, and misrepresentation. Candidates are expected to honor the UAB Academic Honor Code as detailed in the most current UAB Student Catalog. Please consult this resource (https://www.uab.edu/students/academics/honor-code) for additional information regarding the specific procedures to be undertaken when a student violates the UAB Academic Honor Code.

Non-harassment, Hostile Work/Class Environment

The UAB College of Arts and Sciences expects students to treat fellow students, their Course Instructors, other UAB faculty, and staff as adults and with respect. No form of hostile environment or harassment will be tolerated by any student or employee.