Instructor: Dr. Qingying Bu          E-mail: qbu@olemiss.edu  
Office: Hume 311                      Office Hours: MW 2:00-5:00pm, or by appointment  
Class Time: MWF 10:00-10:50am          Location: Hume 201  

Course contents and goals: This is an introduction to ordinary differential equation course. We plan to cover Chapters 1, 2, 4, 7, and parts of Chapters 3, 5, 6. This includes first-order differential equations and their applications, linear differential equations of higher order, and Laplace Transform. The main objectives of this course are to enable students to understand concepts, develop skills and learn problem solving techniques to solve ordinary differential equations. This course will also prepare students for higher level mathematics courses and enhance critical thinking and analytical reasoning abilities.

Grading Policy:

- There will be three major tests, each counting 100 points.
- The final examination is comprehensive and will count 200 points.
- Participation will count 70 points.
- Awards will count 30 points (10 points for each major test to be taken).
- The questions on three tests and the final exam will be similar in format to the examples in class and the homework problems.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Minimum Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>≥ 93%</td>
</tr>
<tr>
<td>A-</td>
<td>≥ 90%</td>
</tr>
<tr>
<td>B+</td>
<td>≥ 87%</td>
</tr>
<tr>
<td>B</td>
<td>≥ 83%</td>
</tr>
<tr>
<td>B-</td>
<td>≥ 80%</td>
</tr>
<tr>
<td>C+</td>
<td>≥ 77%</td>
</tr>
<tr>
<td>C</td>
<td>≥ 73%</td>
</tr>
<tr>
<td>C-</td>
<td>≥ 70%</td>
</tr>
<tr>
<td>D</td>
<td>≥ 60%</td>
</tr>
<tr>
<td>F</td>
<td>≤ 59%</td>
</tr>
</tbody>
</table>

Policy to Earn Points at the End of Semester:

P = pts of participation, A = pts of awards, T1 = pts of test-1, T2 = pts of test-2, T3 = pts of test-3, T = pts of the final exam, G = total pts. Suppose T3 < T1 and T3 < T2. Then we have:

Formula 1: If T3 < T/2 then G = P + A + T1 + T2 + T/2 + T, (here T3 is replaced by T/2).

Formula 2: If T3 > T/2 then G = P + A + T1 + T2 + T3 + ½(T + T3).

Test Dates: to be announced in class.

Final Exam: at 8:00am, Friday, December 8, 2017.

Attendance Policy:

- The attendance scanners are set 10 minutes before the class starts. Students should swipe their ID on the scanner at the beginning of each class.
- Attendance is directly correlated with course success. You are expected to attend all classes and to be on time and prepared. Attendance will be recorded daily. It is the student’s responsibility to make sure his/her attendance record is correct.
- **Students who do not attend class within the first two weeks will be dropped automatically.**
Policy:

1. Homework will be assigned, but will not be collected and graded.
2. Students must show all work on tests and the final exam in order to receive full credit.
3. Each student is responsible for all work missed due to absences.
4. If a test is missed for any reason, a grade of 0 will be given. There will be no make up tests
given for any reason other than official university functions. Any student who must miss
an exam because of an official university function may reschedule the test before the test
is originally scheduled. This is the only rescheduling allowed.
5. An "I" grade will not be given without the permission of the Department of Mathematics.
6. Any student having three or more final examinations scheduled for the same day will
arrange with the instructor to take the noon examination or the 7:30 p.m. examination on
some other mutually satisfactory date.
7. Every student must take the final exam at the time scheduled. The only exceptions are those
students affected by # 4 or # 6 above.

CALCULATORS: Your brain is a sufficient calculator in Math 353. Electronic calculators, cell
phones, and ipods are prohibited on tests and the final exam.

ELECTRONIC DEVICES: All cellular phones, pagers, and other electronic equipment should
be turned off during the class period, during movies, in churches, bookstores, restaurants, elevators,
grocery stores, and especially while operating a motor vehicle.

Cheating: The following statement is the policy of the Department of Mathematics regarding
cheating:
Offenses: Cheating on any exam or quiz, theft or attempted theft of exam questions, possession of
exam questions prior to the time for examination, or the use of an illegal calculator on tests or
quizzes shall all be offenses subject to appropriate penalties.
Penalties: The penalty for commission of any offense set out above is failure in the course and,
subject to the approval of the Chancellor, dismissal or suspension from the University.

WITHDRAWAL DEADLINE: Monday, October 2, 2017.

After the Course Withdrawal Deadline, courses dropped will be recorded on University records
and the W grade will be recorded if the student is not failing the course at the time of withdrawal;
otherwise the grade recorded will be F. After the course withdrawal deadline, a student may drop
a course only in cases of extreme and unavoidable emergency as determined by the academic dean;
dropping a course after the deadline will not be permitted because of dissatisfaction over an
expected grade or because the student is changing his/her major.

ACADEMIC NEEDS: It is the responsibility of any student with a disability who requests a
reasonable accommodation to contact the Office of Student Disability Services (915-7128). Contact
will then be made by that office through the student to the instructor of this class. The instructor
will then work with the student so that a reasonable accommodation of any disability can be made.