MATH 305: Introduction to Ordinary Differential Equations
Fall 2015, Section 3
MWF 11:00-11:50 EGRA 208

Course Instructor: MingQing Xiao,
Office: 467 Neckers, Phone 453-6572, Email: mxiao@siu.edu.
Office hours: Monday, Wednesday, Friday 10-11, 12-1 or by appointment.
Grader: Rebekah L Durig, Email: rebekahdurig@siu.edu

Course Registration:

Deadline to Register or Add
(without Instructor permission) Friday, 8/30/2015

Last day to drop a full semester length course to be eligible
for a credit/refund Sunday, 9/06/2015

Last day for students to drop a course online using SalukiNet Sunday, 10/30/2015

TEXT: Elementary Differential Equations & Boundary Value Problems (text only) with ODE
Author: Boyce & DiPrima
Publisher: Wiley & Sons, 10th Edition
ISBN: 978-047-0458310

Exams: there will be three in-class hourly exams and a final. One with the lowest exam grade will be dropped. There will be NO make-up tests. If you miss an exam (after you drop one) for a good reason (justification is required to be well documented), the percentages will be adjusted accordingly.

<table>
<thead>
<tr>
<th>Hour Exam 1</th>
<th>Monday, Sept. 21 in class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hour Exam 2</td>
<td>Friday, Oct. 23 in class</td>
</tr>
<tr>
<td>Hour Exam 3</td>
<td>Friday, Nov. 20 in class</td>
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<tr>
<td>Final</td>
<td>Friday, Dec. 18, 10:15-12:15, EGRA 208</td>
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Grading Policy:
Homework 20%, Hour Exams 40%, Final 30%, Class attendance 10%.

Attendance:
Attendance to the class is mandatory. Regular attendance is directly related to student academic success. Personal business such as car trouble, oversleeping, or attending wedding, is considered to be unexcused absences. Students who request excused absences are required to fill out the Attendance Excuse Form.

Calculators
Scientific calculators are allowed in tests, but not graphing calculators or programmable calculators. Calculator in cell phone is not allowed.
Cell Phone
Personal cell phones should be turned off during the time of lectures and Exams.

Emergency Procedures:
Southern Illinois University Carbondale is committed to providing a safe and healthy environment for study and work. Because some health and safety circumstances are beyond our control, we ask that you become familiar with the SIUC Emergency Response Plan and Building Emergency Response Team (BERT) program. Emergency response information is available on posters in buildings on campus, available on BERT’S website at www.bert.siu.edu, Department of Safety's website www.dps.siu.edu (disaster drop down) and in Emergency Response Guideline pamphlet. Know how to respond to each type of emergency.

Instructors will provide guidance and direction to students in the classroom in the event of an emergency affecting your location. **It is important that you follow these instructions and stay with your instructor during an evacuation or sheltering emergency.** The Building Emergency Response Team will provide assistance to your instructor in evacuating the building or sheltering within the facility.

Incomplete grade
Incomplete grade can only be assigned to those students whose work have been of passing quality but are incomplete for reasons beyond their control. Necessary documentation is required for verification.

Final Exam
It is a policy of the university that no final examination be given prior to the scheduled final examination period.

WITHDRAWAL POLICY
Students who officially register for a class may not withdraw merely by the stopping of attendance. An official withdrawal form needs to be initiated by the student and processed by the University. For the proper procedures to follow when dropping courses and when dropping from the University, please visit http://registrar.siu.edu/pdf/ugradcatalog1314.pdf

Academic Honesty
All students are expected to adhere a strict code of academic honesty, which can be found in detail from the booklet "Important Information for Students, Faculty, & Staff". Any violation of this policy, such as plagiarism, will result in failure of this course and other sanctions, as outlined in the Student Conduct Code.

DISABILITY POLICY
Disability Support Services provides the required academic and programmatic support services to students with permanent and temporary disabilities. DSS provides centralized coordination and referral services. To utilize DSS Services, students must come to the disability office to open
cases. The process involves interviews, reviews of student-supplied documentation, and completing Disability Accommodation Agreements. [http://www.siu.edu/dss](http://www.siu.edu/dss)

**Study Hints**

Find at least one or two other students from the class with whom you can regularly do homework and prepare for exams. Your classmates are perhaps the least used and arguably your best resource. An efficient and effective study group will streamline homework and study time, reduce the need for attendance at office hours, and greatly improve your written and spoken communication. The best time to use your classmates as study/homework partners is after you have made an **honest effort on your own** to solve the problems using your own wits, knowledge, and experience. When you encounter an unsolvable problem, don't give up too soon on it. Being stumped is an opportunity for mathematical growth and insight, even if you never solve the problem on your own. If you seek help prematurely, you will never know if you could have solved a tough problem without outside assistance.

Spend at least two to four hours on each homework assignment. This affords you extra time to work on challenging homework problems and helps you organize your thoughts, questions, and ideas. The more time you spend on homework, the more likely you are to articulate clear, concise questions to your classmates and teachers. The more time you spend on homework, the less time you will spend on frantic, last-minute preparation for exams.

Use all resources of assistance and information which are available to you. These include class notes, homework solutions, office hours with your instructor, and problem sessions with your classmates. Do not rely exclusively on just one or two of these resources. Using all of them will help you develop a broader, more natural base of knowledge and understanding.

Begin preparing/outlining for exams at least two class days before the exam. Outlining the topics, definitions, theorems, equations, etc. that you need to know for the exam will help you focus on those areas where you are least prepared. Preparing early for the exam will build your self-confidence and reduce anxiety on the day of the exam. It's also an insurance policy against time lost to illness, unexpected family visits, and last-minute assignments in other classes. Generally speaking, pulling all-nighters and doing last-minute cramming for exams is a recipe for eventual academic disaster.