

MATH 2233, Differential equations, Fall 2008

MATH 2233.004, TR 12:30-1:45pm, HES 316

- **Course description:** Prerequisite: 2153. Methods of solution of ordinary differential equations with applications. First order equations, linear equations of higher order, series solutions, and Laplace transforms.
- **Instructor:** Yanqiu Wang
 - Office: 441 MATH (405-744-5698).
 - Office Hours: TR 4-6pm or by appointment.
 - Email: yqwang (AT) math.okstate.edu
- **Webpage:** http://www.math.okstate.edu/~yqwang/math2233_fall08/index.html
- **Textbook:** Elementary Differential Equations and Boundary Value Problems (8th ed)
Authors: W.E. Boyce and R.C. DiPrima
- **Grading policy:** Your final grade will be based on the following;
 - Three Midterm Exams (3*50pts).
 - In class quizzes (100pts) (Homework will be assigned but not collected.)
 - Final Exam (100pts): comprehensive.
 - The Total is 350 pts: A ($\geq 90\%$), B ($\geq 80\%$), C ($\geq 70\%$), D ($\geq 60\%$).
- **Make-up policy:**
 - Make-ups will only be allowed for an authorized absence under the University Regulations.
 - Normally a written note is required.
 - Student should contact the instructor to schedule a make-up by the end of the next working day after the missed exam.
- **Syllabus Attachment** Check <http://osu.okstate.edu/acadaffr/aa/syllabus.htm> (Syllabus Attachment) for university-wide rules regarding dropping a course, academic integrity, free tutoring, and office of student disability services.

Homework Assignment (will not be collected)

Section	Assignments
1.1	1, 2, 11, 16
1.2	1(a), 7
1.3	1, 2, 7, 11, 18, 20
2.1	1, 2, 13, 16, 21, 24
2.2	1, 7, 9, 11, 14, 22, 28(a)(b), 32, 36
2.3	1, 2, 3, 4
2.4	1, 3, 7, 8, 22(a)(b)
2.5	3, 4, 9
2.6	1, 2, 3, 7, 15
2.7	1, 6
3.1	1, 4, 16, 19, 22
3.2	2, 4, 8, 11, 13, 14, 23, 24
3.3	1, 2, 3, 7, 15, 17, 18
3.4	11, 14, 17, 18, 23
3.5	14, 16
3.6	1, 2, 3, 4, 13, 14, 19(a), 20(a)
3.7	2, 7, 13
3.8	3, 4, 5
3.9	5, 7
4.1	4, 6
4.2	11, 13, 22, 29, 31
4.3	4, 15, 18
4.4	1, 2, 3, 6
6.1	3, 5(a), 8, 9, 11, 15
6.2	2, 4, 8, 10, 11, 14, 21, 26
6.3	1, 2, 7, 8, 10, 12, 14, 15, 17
6.4	1, 4, 9, 12
6.5	1, 2, 3, 14(a)(b)
6.6	4, 7, 8, 11, 13, 14
5.1	3, 5, 7, 13, 17, 21, 22, 23
5.2	1, 2, 5, 6, 8, 9, 15(a), 16(a)