INSTRUCTOR Eugene Mukhin.
OFFICE LD 224J, (phone: 278-1079, e-mail: mukhin@math.iupui.edu).
OFFICE HOURS TR 10-11am and by appointment.

OBJECTIVE In this course a student will learn basic methods for solving ordinary
differential equations. Differential equations are widely used in science and engineering.
A part of the class is devoted to such applications.

LECTURES TR 11:00am-12:50pm, SL137 (Section 15244).

TEXT Dennis G. Zill. A first course in Differential Equations. The Classic Fifth
Edition.

WEBPAGE http://www.math.iupui.edu/~mukhin/m262
All handouts as well as some solutions/answers will be posted on this web page in pdf
format.

ATTENDANCE Plan to attend every session AND participate in class. The prob-
lems on quizzes/exams will be similar to those covered in class. Careful lecture notes
would be the best source to prepare for the exams (and much thinner than the book).
Hopefully, you will like the environment in class and the occasional math jokes.

GRADING Your final grade will be determined from your Quizzes, Tests and the
Final Exam. Quizzes will contribute 20%, Tests 40% and Final 40%.
The total you can earn in this class is 500 points (plus bonus points). Your final grade
will be determined by the scale: A: 450-500, B: 400-450, C: 325-400, D: 250-325, F: 0-250.
There might be a SLIGHT curve.

HOMEWORK It is absolutely crucial that you do all the homework problems. Team
work is OK but you really need to try it yourself first.
We will not collect the homework. However, the problems on quizzes will be chosen
from the homework sets.

QUIZZES There will be a 15-20 minutes closed book quiz every Thursday starting
September 2 (test weeks are not counted), see the Syllabus.
There will be 11 quizzes, each quiz will be one problem worth 10 points. The problem
will be chosen from the homework set. One lowest score will be dropped.

Quizzes will be given in the beginning of the class, if you are late for the
class, you are late for the quiz. No make-up quizzes will be given. Use the
drop quiz wisely.

TESTS
Test I: February 3.
Test II: March 10.
Test III: April 26.
Each test will have 8 problems worth 100 points total plus a bonus problem worth 10
points. All problems (except maybe for the bonus problems) will be similar to the ones
covered in class and to homework problems.
The highest test score will be contribute 20% to the final grade and the two lowest
test scores will contribute 10% each.
All tests are in-class, closed-books exams 1 hour 50 minutes long.

No make-up tests will be given. If a student misses a test due to a serious documented communicated to me before the test, then the top score will contribute 25% and the bottom score will contribute 15%. Students who miss two tests will automatically fail the class.

FINAL Tuesday, May 3, 2005, 1-3pm.

The final exam will cover all material. It will have the same format as the tests except that the total value of the problems will be 200 points plus 20 bonus points.

APPEALS If you request to review your grade for a test/quiz/homework, please, beware that based on your explanations the grade can be changed in both directions. No complains about erased-appeared pencil writings, please.

CALCULATOR You can use a scientific calculator in this class.

PREREQUISITES Math 164 (or equivalent) with the grade C or better. Math 261 is recommended. Please, talk to me NOW if you are not sure that this is the right class for you.

WITHDRAW DATE Friday, April 1.

HELP Apart of office hours and private tutors, you may want to use the following options:

Math Assistant Center (University College, 102)
Video http://www-lib.iupui.edu
Department of Mathematics Information Line 278-2468