SYLLABUS

CALCULUS, MATH 261.006

SPRING 2006

INSTRUCTOR: Dr. Krzysztof Chris Ciesielski

OFFICE HOURS: T&Th 12:30-1:00pm, 3:00-4:00pm, (subject to change)

OFFICE: 308G Armstrong Hall

CLASS MEETING TIMES: T, Th 4:00-5:50pm

CLASS MEETING PLACE: 121 Armstrong Hall

OFFICE PHONE NUMBER: 293-2011 ext 2337

WEB PAGE: www.math.wvu.edu/~kcies

TEXT: *Elementary Differential Equations and Boundary Value Problems* (8^{th} Edition) by W.E. Boyce and R.C. DiPrima

GRADING SCHEME:

Quizzes	10%
4 tests + final test	90%

ATTENDANCE POLICY: Attendance will be checked daily. Each **three** absences not excused according to the University Policy will result in **dropping your final grade** by one letter grade (that is, a grade point).

CHEAT SHEET: At each test you can have a sheet with formulas. The formulas will have to be **hand written on a page specially prepared** by me for the given test. They will become a part of the test, that is, you have to include them when returning the test. I will distribute these specially marked sheets about a week before each test, together with the sample test.

DROPPING **TEST** SCORES: For each test (regular or final) you will be able to obtain 100 points. The final is worth 1.5* any mid term test. Anybody that will not request a make-up test (see below for the exceptions) will have the following "dropping-the-worst-score" policy: if your worst score is for one of the regular tests, this score will be dropped, and your final will be worth 1.5* a value of a regular test; if your worst score is for the final, I will count all regular tests, and the value of that final will be a half of that of a value of a regular test.

NO MAKE-UPS! I will not give you any make-ups.[1] If someone will miss a test the score 0 will be dropped according the rule described above.

QUIZZES: There will be a 5-10 minutes quiz each Tuesday. The exercises will be chosen from the homework assignments that are listed in a Departmental part of the syllabus. (As whole exercises, or their parts.) There will be **no make-up quizzes**. No formula sheets of any kind will be allowed on quizzes.

GRADING SCALE:

A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	below 60%

FINAL EXAM: The final exam will be comprehensive.

West Virginia University is committed to social justice. I concur with that commitment and expect to maintain a positive learning environment based upon communication, mutual respect, and non-discrimination. Our University does not discriminate on the basis of race, sex, age, disability, veteran status, religion, sexual orientation, color or national origin. Any suggestions as to how to farther such a positive and open environment in this class will be appreciated and given serious consideration.

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[1]There are some cases in which you have a right to request a make-up test. However, if you choose so, you will loose your "drop-the-worst-score" privilege. In this case, I will count **all the tests**, including make-up test, the remaining regular tests and a final, add their scores (with the maximum possible sum equal to 550) and the result will be prorated. In any rate, the reasons for make-up test must be well documented, and the make-up test will be given during **last week of classes**.

Math 261 – Elementary Differential Equations

Book: Elementary Differential Equations and Boundary Value Problems (8th Edition) by W.E. Boyce and R.C. DiPrima.

Topic	Section	Assignment	
1	1.1, 1.2	p7	1,3,5,7,26,29 p15 1a,2a,3a,3c,7,13,15,19
2	1.3, 2.1	p24	1-9
		p39	part (c) for 1-3,5,6,9,11,12; 13-19 odd
3	2.2	p47	1-15 odd, 30, 31-37 odd
4	2.3	p59	1-4, 7-9, 16-18, 20-22
5	2.4	p75	1-11 odd, 27-30
6	2.6	p99	1-13 odd
7	2.7, 2.8	p108	1,2
8	Problems	p131	1,3,7,11,17,20,21,24, 36-48 even, 49,50
9	3.1	p142	1-9 odd, 10-12 $y'' - y = 0, y(0) = y(1) = 0$ $y'' - y = 0, y(0) = 1, y(1) = 0$
10	3.2	p151	1,3,5, 7-9, 13-15, 21,23,24
11	3.3	p158	1,2,4,5,6,10,11
12	3.4	p164	1-13 odd, 17,19,21
13	3.5	p172	1-11 odd, 23,25,27
14	3.6	p184	1-10, 13-17
15	3.7	p190	1-13 odd
16	3.8	p203	1,2,5,6,8,9,12,13
17	3.9	p214	1,3,5, 6-9
18	4.1	p222	1,2,7,9,11,13
19	4.2	p230	1-4, 7,9,11,14,15,17,18,29,31
20	4.3	p235	1-6 and 9-15 odd
21	5.1	p249	1-15 odd, 19-21
22	5.2	p259	1,2,5,7,9
23	6.1	p312	1,3,5a,6,15,21,23
24	6.2	p322	1-16, 24
25	7.1	p360	1,2, 8-12
26	7.2	p372	1-4,6a,7a,8,10,12,20,21,22,23
27	7.3	p383	1, 3-8, 12,13,15,16,18,21
28	7.4	p389	4,6
29	7.5	p398	1,3,5,7,10,12 (no drawings)
30	7.6	p410	1,2,3,5,7 (no drawings)
31	7.8	p428	1,2,3,5,7,8 (no drawings)
32	10.1	p575	1-4,11,12,14-16 $y'' + y = 0, y(0) = y(1) = 0$ $y'' + y = 0, y(0) = y(\pi) = 0$ $y'' + y = 0, y(0) = 0, y(\pi) = 1$
33	10.2	p585	1-10, 14-17, 19,20
34	10.3	p592	1-5, 9,10
35	10.4	p600	1-9, 11,13,15-19, 21-24, 26
36	10.5	p610	1-11