

Math 212, Sections 9 and 10

Fall 2012

Lecture: TuTh 1:25–2:40, Allen 318 (Section 9)
TuTh 3:05–4:20, Sociology–Psychology 127 (Section 10)
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Web Page: <http://math.duke.edu/~adding/courses/212/>
Text: *Calculus* by Edwards and Penney (6th edition)

Your grade will be based on the following:

- **Homework** (30%). Due Tuesday at the beginning of class. I encourage you to work together on the homework. I will not accept late work, but I will drop the lowest score. The list of homework assignments is on the other side of this page.
- **Reading** (included in homework). On Thursdays I will assign reading. By Sunday night you should e-mail me a short summary of what you read and two questions that you would like answered in class. These will just be graded on completion; all together they will count the same as one homework; you may skip one for free.
- **Midterm** (30%). Thursday, October 11, in class.
- **Final** (40%). Friday, December 14, 7-10 PM, room TBA.

Homework problems (due dates TBA):

- 12.1 p. 777 #1, 7, 13, 17, 23, 31, 35, 40, 47, 52, 54, 55
- 12.2 p. 786 #5, 18, 23, 25, 31, 33, 39, 42, 43, 47, 53, 62, 67–70; p. 845 #1
- 12.3 p. 794 #3, 5, 7, 11, 15, 17, 19, 21, 23, 29, 30, 36; p. 845 #5
- 12.4 p. 801 #3, 7, 13, 14, 15, 17, 25, 27, 29, 30, 32, 33, 37, 40, 51, 53, 56, 57, 59
- 12.5 p. 813 #2, 4, 11, 21, 31, 33, 45, 46, 49, 54, 55, 56, 64; p. 846 #16
- 12.6 p. 828 #1, 6, 10, 18, 23, 34, 42, 47, 49, 50, 54, 55; p. 847 #42
- 12.7 p. 837 #1, 3, 7, 9, 13, 15, 21, 25, 29, 30, 43, 51
- 13.1–2 p. 857 #7, 11, 15, 25, 27, 29, 34, 37, 39, 41, 43, 53–58
- 13.3 p. 866 #5, 13, 24, 27, 30, 43, 45, 51
- 13.4 p. 875 #3, 7, 13, 19, 22, 35, 41, 43, 53, 55, 57(a,c), 58(a,c), 60, 71; p. 896 #43
- 13.5 p. 886 #9, 12, 18, 24, 26, 28, 32, 38, 43, 57
- 13.6 p. 895 #5, 7, 17, 18, 26, 34, 42
- 13.7 p. 904 #3, 7, 9, 19, 28, 37, 40, 43, 45, 51
- 13.8 p. 915 #6, 8, 14, 19, 26, 28, 30, 33, 34, 36, 40, 48, 50, 51, 56, 57
- 13.9 p. 924 #5, 10, 15, 30, 42, 49, 62 (for $n = 3$)
- 13.10 p. 933 #1, 4, 6, 8, 10, 12, 20, 25, 29, 32
- 14.1–2 p. 945 #3, 15, 17, 32, 34, 40; p. 953 #1, 12, 18, 22, 23, 30, 31, 41, 42
- 14.3 p. 959 #3, 7, 18, 22*, 24, 28*, 30*, 37
- 10.2 p. 635 #1(a,b,c), 2(d), 6, 11, 24, 25, 39, 41, 42, 53, 56
- 14.4 p. 966 #2, 5, 10, 12, 14, 23, 28, 29, 34, 38; p. 959 #33, 34, 42
- 14.5 p. 975 #8, 15, 42, 44, 46
- 14.6 p. 985 #2, 6*, 8, 10, 12, 14, 22, 28, 33
- 12.8 p. 843 #1, 9, 15, 17, 23, 26, 27, 29, 30, 31, 33, 39, 55
- 14.7 p. 993 #1, 3, 4, 5, 15, 20, 22, 26, 30, 38
- 14.9 p. 1007 #1, 3, 4, 6, 7, 8, 10, 12, 14, 17
- 14.8 p. 1000 #2, 3, 7, 13, 15, 17, 18; p. 1010 #49
- 15.1 p. 1018 #1, 6, 9, 11, 12, 20, 21, 28, 32, 35, 36, 37, 38, 39, 40
- 15.2 p. 1028 #2–5 (ds's only), 6, 10, 11, 12, 14, 16, 21, 22, 36; p. 1072 #9
- 15.3 p. 1036 #2, 24, 26, 27, 28, 29, 30, 32, 35, 36
- 15.4 p. 1045 #2, 3, 15, 16, 18, 22, 29, 34, 36, 38
- 15.5 p. 1055 #2*, 6, 10, 14, 15, 18, 23; p. 1072 #18
- 15.6 p. 1063 #4, 6, 7, 8, 15, 16, 18, 20, 22
- 15.7 p. 1070 #1, 2, 5, 7, 9, 10, 13, 14, 16, 17

*Set up only. Do not evaluate.