

Math 1100, Section 2, Fall 2008

Quantitative Analysis

MWF 8:35 – 9:25 a.m., LCB 219

Instructor: Anna Moore

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Office Hours: TBA, and other times by appointment

Tutoring Center: The Math Tutoring Center, located in the Rushing Student Center (between LCB and JWB), offers free drop-in math tutoring Monday through Thursday from 8 a.m. to 8 p.m., and Fridays from 8 a.m. to 6 p.m.

Prerequisite: Passing either Math 1050 or Math 1090 with a C or better.

Text: *Mathematical Applications for the Management, Life, and Social Sciences*, Volume 2 by Harshbarger and Reynolds (custom edition for the U of U)

Topics:

Functions and Differentiation

Limits and Continuity

Graphing

Product and Quotient Rules

Chain Rule

Marginals

Extrema and Concavity

Implicit Differentiation

Related Rates

Partial Differentiation

Integration

Indefinite and Definite Integrals

Area

Grading Scale:	100-93 A	92-90 A-
89-87 B+	86-83 B	82-80 B-
79-77 C+	76-73 C	72-70 C-
69-67 D+	66-63 D	62-60 D-
	59-0 E	

Grading: The course grade will be based on the following:

Homework	15%
Quizzes	10%
Exam 1	15%
Exam 2	15%
Exam 3	15%
Final Exam	30%

Homework: Homework will be assigned on a weekly basis. Problems must be done on 8.5"x11" paper in the order assigned. Assignments are due by the end of class on the due date. Late homework will not be accepted. If no work is shown, there may be no credit given. Illegible homework will receive no credit. Be sure to staple multiple page assignments and tear off rough edges before handing in homework.

Quizzes: Quizzes will be given about once a week. They may or may not be announced. Quizzes may be collected as soon as 5 minutes after the start of class. Makeup quizzes will not be given, unless due to a documented emergency or arranged ahead of time. The lowest two quiz grades will be dropped.

Exams: Exam 1 will be based on the material covered in chapter 9. Exam 2 will focus on the material in chapters 9, 10, and 11. Exam 3 will focus on chapters 11, 12, and 13. The final exam will be given on Tuesday, December 16 from 8:00 to 10:00 a.m. and will cover material from the entirety of this course.

Exam Policy: No make-up exams will be given. If you are unable to make it to the appointed time for an exam, you must let me know as early as possible so you can take the exam *before* the test date.

Calculators: You are allowed to use calculators for homework, most quizzes, and exams. Calculators on cellular phones, blackberries, PDAs, and other devices with transmitters will not be permitted for in-class quizzes and exams. Sharing calculators is not allowed during in-class quizzes and exams.

Attendance Policy: Attendance will not be taken. However, it is your responsibility to stay up-to-date on the material covered in class and to learn of any announcements given, as you will be held responsible for them.

E-mail Policy: You may e-mail me at any time. Be aware that e-mails may not receive an instantaneous reply. When composing e-mails, please pay attention to details such as spelling, grammar, punctuation, and capitalization. Be sure to sign your e-mails. If I do not know to whom I am sending the e-mail or cannot understand the message, I will not reply.

ADA Statement: The Americans with Disabilities Act requires that reasonable accommodations be provided for students with physical, cognitive, systemic, learning, and psychiatric disabilities. Please contact me at the beginning of the semester to discuss any such accommodations for this course.

Withdrawal/NC Dates:

- Last day to Drop: Wednesday, September 3, 2008
- Last day to Register or choose CR/NC option: Monday, September 8, 2008
- Last day to Withdraw: Friday, October 24, 2008
- Last day to reverse CR/NC option: Friday, December 5, 2008

Anticipated Schedule:

Date		Topic	Notes
Monday	Aug 25	Introduction, Algebra Review	
Wednesday	Aug 27	9.1	
Friday	Aug 29	9.2	Homework due
Monday	Sep 1	Labor Day (No Class)	
Wednesday	Sep 3	9.3	
Friday	Sep 5	9.4	Homework due
Monday	Sep 8	TBA	
Wednesday	Sep 10	9.5	
Friday	Sep 12	9.6	Homework due
Monday	Sep 15	9.7	
Wednesday	Sep 17	9.8	
Friday	Sep 19	9.9	Homework due
Monday	Sep 22	10.1	
Wednesday	Sep 24	Catch-up/Review	Homework due
Friday	Sep 26	Exam 1	
Monday	Sep 29	10.2	
Wednesday	Oct 1	10.3	
Friday	Oct 3	10.4	Homework due
Monday	Oct 6	10.5	
Wednesday	Oct 8	11.1	
Friday	Oct 10	11.2	Homework due
	Oct 13-17	Fall Break (No Class)	
Monday	Oct 20	11.3	
Wednesday	Oct 22	11.3 (continued)	
Friday	Oct 24	11.4	Homework due
Monday	Oct 27	11.5	
Wednesday	Oct 29	Catch-up/Review	Homework due
Friday	Oct 31	Exam 2	
Monday	Nov 3	12.1	
Wednesday	Nov 5	12.2	
Friday	Nov 7	12.3	Homework due
Monday	Nov 10	12.4	
Wednesday	Nov 12	12.4 (continued)	
Friday	Nov 14	13.1	Homework due
Monday	Nov 17	13.2	
Wednesday	Nov 19	Catch-up/Review	Homework due
Friday	Nov 21	Exam 3	
Monday	Nov 24	13.3	
Wednesday	Nov 26	13.4	Homework due
Friday	Nov 28	Thanksgiving Break (No Class)	
Monday	Dec 1	13.7	
Wednesday	Dec 3	14.1	
Friday	Dec 5	14.2	Homework due
Monday	Dec 8	14.2 (continued)	
Wednesday	Dec 10	Catch-up/Review	
Friday	Dec 12	Review	Homework due
Tuesday	Dec 16	Final Exam	8:00 – 10:00 a.m.

Homework Exercises (Tentative)

Note: I have the right to add or remove problems at any point during the semester.

Chapter 9:

- 9.1 #2, 6, 10, 15, 19, 21, 22, 26, 31, 32, 50
- 9.2 #4, 5, 7, 10, 12, 13, 21, 24, 25, 26, 30, 31
- 9.3 #2, 5, 8, 10, 15, 16, 40, 41
- 9.4 #1, 2, 4, 6, 7, 10, 12, 16, 17, 21, 22, 23, 27, 45, 48
- 9.5 #1, 2, 6, 8, 10, 11, 14, 17, 20, 22, 42, 46
- 9.6 #5, 6, 8, 9, 12, 15, 18, 20, 36, 45
- 9.7 #1, 2, 6, 8, 10, 11, 14, 19, 41, 44
- 9.8 #2, 3, 6, 9, 12, 13, 16, 37, 38
- 9.9 #1, 4, 5, 10, 13, 17, 25

Chapter 10:

- 10.1 #1, 3, 7, 8, 21, 22, 25, 26, 32, 58
- 10.2 #3, 5, 6, 9, 10, 15, 16, 19, 34
- 10.3 #2, 3, 5, 7, 8, 9, 15, 18, 26, 27
- 10.4 #3, 6, 8, 11, 15, 17, 19, 22, 27, 31, 32
- 10.5 #5, 8, 10, 11, 14, 39, 40

Chapter 11:

- 11.1 #2, 5, 6, 25, 27, 29, 32, 36, 44, 49, 51
- 11.2 #1, 3, 4, 6, 11, 12, 16, 17, 20, 22, 25, 30, 31, 34, 42, 55
- 11.3 #1, 3, 4, 6, 7, 8, 14, 19, 20, 21, 55, 63
- 11.4 #1, 2, 6, 7, 13, 14, 16, 17, 22, 31, 32, 33
- 11.5 #1, 3, 4, 6, 9, 13, 14, 19

Chapter 12:

- 12.1 #2, 3, 6, 8, 9, 11, 16, 19, 22, 25, 27, 30, 39, 53
- 12.2 #3, 5, 8, 10, 15, 19, 21, 24, 27, 30, 43, 46, 51
- 12.3 #2, 5, 8, 9, 12, 18, 21, 25, 29, 47, 52
- 12.4 #1, 4, 7, 9, 12, 15, 18, 25

Chapter 13:

- 13.1 #1, 4, 5, 8, 15, 16, 19, 26, 31, 39
- 13.2 #1, 4, 8, 15, 19, 22, 24, 26, 37, 38, 44, 47, 59
- 13.3 #1, 3, 4, 7, 10, 11, 13, 17, 20, 26, 27, 30, 31, 40
- 13.4 #3, 6, 8, 13, 11, 17, 20, 21, 27, 28, 35
- 13.7 #1, 3, 4, 6, 8, 11, 18, 20, 23, 26, 39, 40

Chapter 14:

- 14.1 #2, 3, 4, 6, 9, 12, 19, 21, 22, 23, 26, 27, 35
- 14.2 #2, 4, 6, 8, 10, 14, 21, 29, 33, 40, 48