

TEXT: Calculus with Applications: Brief Version, 8th Edition by Lial, Greenwell, Ritchey; Published by Addison-Wesley.

PREREQUISITES: Two years algebra and one semester precalculus in high school or Math 101 or equivalent. Your most recent grade in the prerequisite must be C, P or better. If you had this prerequisite in high school or some place other than UN-L, UN-O, or UN-K, then you must also have a qualifying score on the UN-L Math Placement Exam dated after October 2006 or you must have previously received a grade of D or D+ at UN-L, UN-O, or UN-K in Math 104. The Department of Mathematics will drop all students who do not satisfy this policy (see the Math Placement Policy on page 83 in the Fall Schedule of Classes).

TAKING THE MPE VIA COMPUTER: A picture ID will be required and calculators are allowed at the exam. Other students who need to take the math placement exam may do so through our new computerized setup. NOTE: The student must already have been admitted to UNL and entered into the course registration computer database (SIS+) to be able to take the online version of the Math Placement Exam. Please review all policies via <http://www.math.unl.edu/pi/studentResources/mathPlacementExam>.

NEED HELP: Go to the Mathematics Resource Center located in Avery 13B. (For Textbook Online Help, go to: www.mathxl.com)
MRC Hours are: 12:30—8:30 p.m. Monday—Thursday; 12:30—2:30 p.m. on Friday; and
1:00—5:00P on Sunday

CALCULATOR: You will need to have a scientific calculator that will compute logarithms and exponentials (for example: TI-30Xa, TI-36X, Casio fx-260, Casio fx-300w, Casio fx-115v, Casio fx-300 MS, Sharp EL-531v, etc.). **GRAPHING CALCULATORS ARE NOT ALLOWED ON EXAMS AND QUIZZES.**

VARIATIONS IN THIS SYLLABUS: This syllabus is an approximate schedule and guide. Instructors may vary the pacing, content, exam schedule, or even the number of exams. If you must miss a class, please make arrangements to get important class announcements. You should read the lecture material before class, and do the indicated homework after the lecture on the material. **ALL** sections will take the **SAME** final exam during the **SAME** scheduled time as a unit.

HOW TO USE THIS SYLLABUS: You are expected to read the section covered on each lecture prior to class, and to try and solve some problems from that section as well. After lecture, and prior to the following lecture, you should try and finish the problems from the covered section, seeking help as needed.

IMPORTANT DATES: Friday, September 7, is the last day to withdraw from this course and not have it appear on your transcript. Between September 8 and November 16 you can drop this course and receive a grade of "W" for any reason. After November 16, you cannot drop this course. October 19 is the last day to change your grade option to or from Pass/No Pass.

| WEEK | SECTION | ASSIGNMENT |
|--|---|--|
| Aug 27 | 1.1, 1.2 (Review) 2.1, 2.2 (Review) 3.1 | p. 14: 2, 7, 13-16, 24, 33, 36; p.27: 10-13, 18, 24, 27, 28 p. 59: 3, 4, 9, 14, 27, 30, 35, 46, 55, 69 p.72: 9, 13, 25, 27, 45 p. 152: 7, 21, 23, 31, 32, 35, 36, 39, 40 |
| SEPTEMBER 3 (Monday): Labor Day Holiday | | |
| Sep 4 | 3.1, 2.3 3.2 | p. 152: 1, 3, 9, 10, 43-49; p.85: 29, 31-36, 40, 44 p. 164: 2, 4, 6, 9, 10, 13, 19, 20, 22 |
| Sept 10 | 3.2, 3.3 3.3 3.4 | p. 164: 25-28, 34, 36; p.173: 2-8 p. 173: 11, 13-15, 28, 29 p. 191: 1, 4, 6, 7, 12, 13, 17, 21, 45, 48 |
| Sept 17 | 4.1 4.1, 4.2 EXAM 1 | p. 223: 4-17 p. 223: 18-21, 31, 32, 35-38, 40-42, 50-55; p.234: 11, 15 |
| Sept 24 | 4.2 4.3 4.3, 2.4 | p. 234: 7, 12, 16, 19-27, 31, 36, 39, 40 p. 243: 1, 4, 7, 11, 22-32 p. 243: 34-38, 43-46, 49, 59; p.99: 13-18, 25 |
| Oct 1 | 2.4, 4.4 2.5 2.6, 4.5 | p. 100: 33-40; p.251: 5-19, 23, 33 p. 113: 7, 8, 21-24, 31, 34-36, 55-59, 67-69 p. 124: 11, 14, 19-22, 27, 38, 39; p.260: 1-8 |
| Oct 8 | 4.5 5.1 5.1 | p. 260: 10-12, 17-20, 25-29, 48-50 p. 278: 5-7, 11-15, 19 p. 279: 21, 24-26, 34-36 |
| Oct 15 | EXAM 2 5.2 5.2, 5.3 | p. 292: 5, 7, 11, 13, 16, 21 p. 292: 25-27, 35, 36, 41; p.306: 3, 5, 7, 9, 13 |

October 19 (Friday) is the last day to change your grade option to or from Pass/No Pass.

October 22-23 (Monday & Tuesday): Fall Break

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| Oct 24 | 5.3 5.4 | p. 306: 17, 29, 35-37, 41, 49, 50, 53 p. 318: 3, 4, 7, 11, 15, 20, 36, 38 |
| Oct 29 | 6.1 6.2 6.6 | p. 331: 1, 3, 7, 8, 11, 12, 16, 19, 26, 37 p. 341: 1-5, 7, 9, 11-13, 23, 44 p. 374: 1, 2, 5, 10, 13 |
| Nov 5 | 6.6, 6.3 (pp.350-353) 6.3 EXAM 3 | p. 374: 6, 9, 15, 17, 18; p354: 14-17 p. 354: 18-21 |
| Nov 12 | 7.1 7.1 7.2 | p. 391: 1-25 p. 392: 26-39, 45, 47, 48, 53, 56, 59 p. 401: 3, 5, 6, 8, 10, 13, 14, 16, 20, 23, 29, 32, 34, 36, 37 |

NOVEMBER 16 (Friday): Last day to withdraw from this course and receive a grade of "W"

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| Nov 19 | 7.3 | p. 411: 1, 3, 4, 8, 11, 12 |
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NOVEMBER 21—NOVEMBER 25 (Wednesday through Sunday): Thanksgiving Holiday

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| Nov 26 | 7.3, 7.4 7.4 7.4, 7.5 | P. 412: 10, 13, 14; p.424: 3-7, 11, 16, 20, 22 p. 424: 8, 9, 21, 25, 31, 32, 41 p. 424: 26, 39, 42, 43, 53; p.436: 3, 6, 8 |
| Dec 3 | 7.5 7.5 EXAM 4 | p. 436: 10, 11, 13, 15, 25 p. 437: 29-33 |
| Dec 10 | 8.2 (Average Value) Review Review | p. 474: 24-29, 34, 35 p. 131: 81, 83, 85; p206: 15, 17, 19, 31 p. 265: 9, 15, 17, 25, 43, 49, 55; p320: 17, 29, 37, 45 |

FINAL EXAMINATION: Wednesday, December 19, 2007
6:00—8:00 p.m.

ROOM TO BE ANNOUNCED

You are expected to arrange your personal and work schedule to allow you to take the exam at the scheduled time. Students with conflicting exam schedules may be allowed to take an alternate final, which is always given after the regularly scheduled final. No student will be allowed to take the final exam early. A picture ID (drivers license or student ID) is required to take the final exam.

Department Grading Policy: Students who believe their academic evaluation has been prejudiced or capricious have recourse for appeals in order, to: their instructor; the Chair of the Mathematics Department; the Mathematics Department grading appeals committee; and lastly, the College grading appeals committee.