

**TEXTBOOK:** Intermediate Algebra, 9<sup>th</sup> Edition, by Lial, Hornsby & McGinnis

**CALCULATORS:** No calculators allowed

**PREREQUISITES:** One year high school algebra or Math 95C 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 March 1, 2003. **The Department of Mathematics will drop all students who do not satisfy this policy** (see the Math Placement policy in the Mathematics section of the Schedule of Classes.)

**TAKING THE MPE VIA COMPUTER:** A picture ID will be required and calculators are allowed at the exam. 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?** The Mathematics Resource Center in Burnett 106 offers free tutorial assistance.

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

WEEK	TOPICS	EXERCISES
Jan 12	1. Section 1.1—Basic Concepts Section 1.2—Operations on Real Numbers  2. Section 1.3—Exponents and Roots  3. Section 1.4—Properties of Real Numbers	Pg 12: 25, 28-36 (even), 39, 48, 49, 55, 58, 74, 94, 103, 109 Pg 21: 16, 24, 31, 38, 45, 67, 81, 83, 86, 87  Pg 29: 3, 9, 10, 11, 17, 32, 33, 42, 49, 55, 63, 66, 69, 72, 81  Pg 37: 1-4, 13, 18, 26, 31, 37, 39-49 (odd)
Jan 19	4. <b>Martin Luther King Day Holiday—NO CLASS</b>  5. Section 2.1—Linear Equations Section 2.2—Formulas  6. Section 2.3—Applications of Linear Equations 7. Section 2.4—More Applications	Pg 55: 5, 12, 15, 22, 26, 31, 32, 40, 41, 45, 47, 53, 55, 59 Pg 62: 9, 14, 17, 21, 23, 29, 33  Pg 76: 5, 8, 10, 13, 16, 18, 19 Pg 85: 1, 4, 29, 37, 41
<b>Friday, January 23, 2004: The last day to drop Math 100A Without Receiving a "W"</b>		
Jan 26	8. Section 2.5—Linear Inequalities  9. Section 2.7—Absolute Value Equations & Inequalities  10. Section 3.1—Rectangular Coordinates Section 3.2—Slope of a Line	Pg 100: 1-6, 11, 15, 19, 24, 28, 32, 40, 45 Pg 118: 2, 4, 10, 13, 18, 25, 28, 40, 43, 79, 82  Pg 145: 1, 3-8, 10, 24, 32, 35, 47, 50 Pg 157: 10, 16, 20, 22, 24, 31, 38, 44, 45, 49, 53
Feb 2	10. Section 3.3—Linear Equations in One Variable  11. Section 3.5—Intro to Functions  12. Catch Up and Review	Pg 172: 7-14, 16, 19, 22, 26, 33, 41, 49, 56, 64, 66, 73 Pg 194: 7, 10, 15, 16, 20, 21, 28, 31, 33, 37, 38, 39, 42, 47, 53, 57, 61, 73
Feb 9	13. <b>HOURLY EXAM 1</b>  14. Section 4.1—Systems of Linear Equations Section 4.3—Applications of Systems  15. Section 5.1—Integer Exponents	Pg 232: 8, 9, 12, 14, 17, 22, 26, 29, 40 Pg 254: 4, 7, 25, 27, 29, 37, 40, 51  Pg 294: 1-4, 11, 14, 18, 21, 24, 31, 38, 39, 48, 54, 55, 70, 76, 83, 94, 97, 108, 111, 120
Feb 16	16. Section 5.2—Add/Subt. Polynomials  17. Section 5.3—Polynomial Functions  18. Section 5.4—Multiplying Polynomials	Pg 303: 27, 28, 40, 46, 53, 59, 63, 68 Pg 309: 2, 4, 7, 13, 16, 21, 24, 33, 35 Pg 317: 1-4, 7, 15, 18, 24, 31, 55, 61, 64
Feb 23	19. Section 6.1—Factoring by Grouping  20. Section 6.2—Factoring Trinomials  21. Section 6.3—Special Factoring Section 6.4—General Factoring	Pg 342: 5, 14, 17, 22, 26, 33, 48, 51, 53 Pg 349: 2, 8, 9, 12, 19, 25, 40, 42, 46, 59  Pg 354: 1, 3, 11, 17, 24, 33, 37, 42 Pg 359: 10, 20, 30, 33, 50, 55, 70
Mar 1	22. Section 6.5—Solving Equations by Factoring  23. Catch Up and Review  24. <b>HOURLY EXAM 2</b>	Pg 366: 2, 10, 11, 16, 20, 31, 37, 39, 46, 54, 58, 61
<b>Friday, March 5, 2004: The last day to change to/from Pass/No Pass</b>		

Mar 8	25. Section 7.1—Rational Expressions 26. Section 7.2—Add/Subt. Rational Expressions 27. Section 7.3—Complex Fractions	Pg 387: 10, 13, 15, 17, 33, 36, 40, 47, 49, 62, 64, 81, 84, 85 Pg 396: 10, 16, 27, 31, 36, 41, 45, 50, 53, 56, 60, 69 Pg 404: 3, 8, 11, 13, 15, 16
<b>March 14-21, 2004: SPRING BREAK — NO CLASSES</b>		
Mar 22	28. Section 7.4—Equations w/Rational Express. 29. Section 8.1—Radical Expressions 30. Section 8.2—Rational Exponents	Pg 410: 2, 9, 10, 13, 15, 20, 23, 27, 42, 43, 44, 46 Pg 446: 1-6, 9, 10, 37, 39, 47, 48, 53, 57 Pg 455: 1-10, 15, 19, 21, 23, 28, 33, 57, 60, 63, 66, 80, 83
Mar 29	31. Section 8.3—Simplifying Radicals 32. Section 8.4—Add/Subt. Radicals 33. Catch-up/Review	Pg 465: 8, 9, 27, 29, 40, 43, 47, 61, 64, 71, 85, 89, 109, 110 Pg 473: 1, 6, 8, 13, 19, 25, 39, 42, 43, 59
April 5	34. <b>HOURLY EXAM 3</b> 35. Section 8.5—Multiplying and Dividing Radicals 36. Section 8.6—Solving Equations w/ Radicals	Pg. 481: 1-6, 8, 11, 16, 18, 24, 48, 51, 85, 87, 103 Pg 490: 1, 9, 13, 18, 19, 24, 28, 35, 38
<b>Friday, April 9, 2004: The last day to withdraw from Math 100A and receive a "W" on your transcript.</b>		
April 12	37. Section 8.7—Complex Numbers 38. Section 9.1—Completing the Square 39. Section 9.2—Quadratic Formula	Pg 499: 1-6, 8, 9, 17, 22, 28, 34, 43, 48, 49, 59, 67 Pg 525: 4, 9, 14, 19, 27, 33, 38, 40, 47, 56, 59, 62 Pg 534: 4, 6, 9, 15, 17, 20, 21, 27, 30, 39, 41, 53
April 19	40. Section 9.6—More About Parabolas 41. Catch-Up/Review 42. <b>HOURLY EXAM 4</b>	Pg 577: 1-4, 6, 7, 12, 13, 24, 25, 33, 37
April 26	43. Review 44. Review 45. Review	<b>DEAD WEEK</b>

**FINAL EXAM: Wednesday, May 5, 2004  
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 and Statistics Department; the Mathematics and Statistics Department grading appeals committee; and lastly, the College grading appeals committee.