

**NORTHEASTERN ILLINOIS UNIVERSITY**

**MATH 091: BASIC ALGEBRA**

**Fall 2009**

**FACULTY SYLLABUS: MONDAY – WEDNESDAY - FRIDAY**

**Instructor**

**E-Mail:**

**Office Hours: (Day/Time/Location):**

**Department Phone: (773) 442-5767**

**Section / MML Course Name:**

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**Week / Date of Monday**

**Textbook Readings, Reference Problems, and Test Dates**

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**Unit One**

**Chapter One & Two: Real Numbers and Equations**

1            Aug 31

1.4(1-25; 33-75), 1.5(1-29; 35-75), IR(pp.46-47/1-45)  
1.6(1-9; 13-21; 25-41; 45-59; 65-115),

2            Sept 7

**Monday, September 7<sup>th</sup>, Labor Day Holiday**

1.7(17-69), 1.8(1-19; 25-79), 2.1(1-51)  
Chapter Review (pp.83-86 / 1-13; 19-29; 33-41; 47-61; 75-85; 89-99)

3            Sept 14

2.2(1-75), 2.3(1-25; 37-43), 2.7(31-57)

4            Sept 21

**Test One: Monday, September 21<sup>st</sup>, Chapter One, 2.1, 2.2, 2.3, & 2.7  
(No Calculator)**

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**Unit Two**

**2.5 Literal Equations & Chapter Three: Exponents and Polynomials**

4            Sept 21

2.5(11-23), 3.1(1-31; 35-47; 55-103), 3.2(1-53),

5            Sept 28

3.3(13-17; 25-37; 45-51), 3.4(1-7; 17-25; 35-63), 3.5(1-51; 59-69),

6            Oct 5

3.6(19-79), 3.7(1-41), Test Review

7            Oct 12

**Test Two, Monday, October 12<sup>th</sup>, 2.5 & Chapter Three  
(No Calculator)**

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**Spring Permits**

**Students, who are passing after Test Two, should request your instructor to issue you a permit authorization form to advance register for Math 092, Intermediate Algebra, in Spring 2010.**

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**NORTHEASTERN ILLINOIS UNIVERSITY**

***Math 091: Basic Algebra***

***Monday-Wednesday-Friday***

***Fall 2009***

***Unit Three***

***Chapter Six & Seven: Two Variable Linear Equations and Graphs & Systems of Linear Equations***

7            Oct 12            6.1(19-25; 37-43), 6.3(1-31, 41),

8            Oct 19            7.1(in class), 7.2(1-5, 9-19, 33), 7.3(1-23),

9            Oct 26            7.3 Cont'd., Test Review

***Test Three: Friday, October 30<sup>th</sup>, 6.1, 6.3, & Chapter Seven  
(Scientific Calculator Allowed)***

***Unit Four***

***Chapter Four: 2.6 Percent Equations & Factoring Polynomials (4.1 to 4.6)***

10           Nov 2            2.6(1,3,5,15,17,27,29,31,39,43), 4.1(1-75),

11           Nov 9            4.2(1-59), 4.4(1-7; 13-39), 4.5(13-77),

***Withdrawal Date            Friday, November 13<sup>th</sup>, is the Last Day to Withdraw with a Grade of "W". Only Letter Grades of A, B, C, D, and F can be given after this date.***

12           Nov 16            4.6(1-39, 55-63), Test Review

***Test Four: Friday, November 20<sup>th</sup>, 2.6 & Chapter Four (4.1 to 4.6)  
(Scientific Calculator Allowed)***

***Unit Five***

***5.5 & 5.6: Rational Equations, 8.1, 8.2, & 8.4 Radicals, 4.6, 9.1, & 9.3: Solving Quadratic Equations***

13           Nov 23            5.5(1-11; 25-33), 5.6(1-11),

***Thanksgiving Holiday: November 26<sup>th</sup> thru November 29<sup>th</sup>.***

14           Nov 30            8.1(1-19, 51-61), 8.2(1-57), 8.4(1-15, 35-57),

15           Dec 7            9.1(1-45), 9.3(1, 9, 13, 25),

16           Dec 14            Test Review

***Test Five: 5.5, 5.6, 8.1, 8.2, 8.4, 9.1, & 9.3  
(Scientific Calculator Allowed)***

***Dec 15-16-17            See NEIU Final Exam Schedule for Day, Date, & Time:***



## NORTHEASTERN ILLINOIS UNIVERSITY

**Math 091: Basic Algebra**

**Standards & Policy**

### **COURSE EVALUATION: GRADING**

*There will be six unit grades: five unit grades and the online homework unit average. In order to earn online homework credit, the homework notebook must be submitted on each test date documenting step by step solutions that have been scored online. A maximum of 20 points will be allowed for each unit. Unit grades will total 100 points and include classroom tests, quizzes, and other assignments. The final grade will be the average of these scores with no test score dropped. The grading scale is:*

*100-90 = A, 89-80 = B, 79-70 = C, 69-65 = D, 64-0 = F.*

*If a student knows that he/she is going to miss an exam, the instructor must be notified in writing at least one week prior to the test date and request an alternate date which must be before the scheduled date and must be acceptable to the instructor. A student must notify the instructor by e-mail within 24 hours of a missed exam in order to receive consideration for an excused absence. The student must document in writing the reason for the test absence. Failure to provide documentation will be recorded as a test grade of zero for that unit. There are no make-up tests. If an excused absence is granted by the instructor, the fifth exam during the final schedule will replace the missing test score. If a student misses two exams, a withdrawal from class is recommended.*

*If a student writes all five unit tests, the fifth test score scheduled during the final exam period will replace the lowest unit scores, if the fifth score is higher. The online homework unit grade is not replaceable. Incompletes are only given for serious reasons and requests must be documented. A student must be passing with an average grade of 70 or more to receive consideration for an incomplete.*

### **GETTING HELP**

*Meet with your instructor during his / her office hours. Your instructor is the first and foremost learning resource. The Math Lab is located in the 4<sup>th</sup> Floor of the Library. Michael Martindale is the Lab Supervisor, e-mail: [m-martindale@neiu.edu](mailto:m-martindale@neiu.edu), telephone number: 773- 442-5769. The Lab offers tutoring, instructional software, and math web sites. Thomas Blackburn is Math Development Coordinator, Office: Science S 204 E, e-mail: [t-blackburn1@neiu.edu](mailto:t-blackburn1@neiu.edu), telephone: (773) 442-5766.*

### **WITHDRAWAL FROM CLASS**

*Students are responsible for knowing their current test average and if below 70 at Mid-Term should consider withdrawal from the class. See your Instructor and your Academic Advisor for further information prior to the Withdrawal Date. Only students can withdraw from class by NEIUPORT Registration.*

### **CLASS REQUIREMENTS & MANAGEMENT**

*Students are expected to be on time and prepared for each class. Class attendance is required. Two Final Grade Points will be deducted for each unexcused absence after the fourth. A tardy is an absence. The accumulation of twelve un-excused absences determines a grade of "F" regardless of the grade record. Students are not to leave the classroom without the permission of the instructor except for emergencies, and this must be explained to the instructor after class or the student will be marked absent. Cell phones and other electronic media must be turned off during class and not be on the desk top. Students are required to have Student ID's with them on test days. Visitors are not allowed in class. The instructor reserves the right to assign seats and to limit food or drinks. Students are encouraged to request a conference with the instructor in regard to any aspect of the course.*

*Revised. 12/22/08*

NORTHEASTERN ILLINOIS UNIVERSITY

Developmental Mathematics Program                      Math 091: Basic Algebra,  
Standards & Policy

**Math Development Department Phone: 773-442-5767 (Carefully Leave Message)**  
**Math Development Office: Science Building: Room S204-B.**

**REQUIRED MATERIAL: "My Math Lab Student Access Kit" Addison Wesley.**  
**ISBN: 321-43130-8**

*Student Access Kit provides on line multi-media textbook, homework assignments, and other learning resources.*

**OPTIONAL TEXTBOOK: INTRODUCTORY ALGEBRA**, by Elayn Martin-Gay, Pearson Prentice Hall,  
Third Edition, ISBN: 0-13-186839-X

**PREREQUISITES**

*The prerequisite for Math 091 is either the appropriate score on the NEIU Math Placement Test or a Math ACT scores from 16 to 18. Math 091 prepares you for Math 092, Intermediate Algebra. Be advised that the zero digit in 091 means that this course is not for graduation credit. However, the grade is used in calculating your grade point average.*

**COURSE DESCRIPTION**

*Math 091, Basic Algebra, seeks to develop an understanding of the structures of elementary algebra such as linear and quadratic equations, operations on polynomials, factoring polynomials, and graphing linear equations in the rectangular coordinate system. The writing of mathematics as a logical process will be emphasized. Students will be able to apply these skills to variety of real world problems.*

**CORE ACADEMIC REQUIREMENT**

*Students are required to demonstrate the ability to read, understand, write, and process fundamental algebraic structures without the use of technology. This includes the arithmetic of rational numbers, simplifying expressions, operations on polynomials, and solving linear equations and inequalities. Calculator type and use is limited to specific topics.*

**REQUIRED STUDY PRACTICES**

**Two separately bound 8 ½ by 11 spiral bound notebooks are to be kept, one for class notes and the other for completely documented online homework solutions. Failure to document online homework with step by step written solutions will reflect in no MML homework unit credit regardless of the percentage scored completed. Your notebooks also need to show coherent organization, as well as careful attention to main concepts, definitions, examples, and vocabulary. A scientific calculator is allowed on the last three unit tests. TI 30X IIS is recommended. Graphing Calculators, TI 82, TI 83, etc. are not allowed.**