



# INTRODUCTORY ALGEBRA

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MATH 0097, SPRING 2015

*University of North Georgia*

CRN # 6964; 9:00am - 9:50 MTWF; Room 320

## INSTRUCTOR

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Name Michael Goodroe

Office 311 B

Phone (706) 310 - 6334

Email [michael.goodroe@ung.edu](mailto:michael.goodroe@ung.edu)

Hours MTW 01:00pm - 03:00pm

Important Dates

- 1.) Add/Drop January 5 - 9, 2015
- 2.) MLK Holiday January 19, 2015
- 3.) Withdrawal February 27, 2015
- 4.) Spring Break March 16 - 21, 2015
- 3.) **Final Exam April 27, 2015**  
@08:00 am - 10:00 am
- 6.) **Math Jam Fridays 12:00pm - 2:00pm**  
**Room 320**

## UNG Supplemental Syllabus Links:

<http://ung.edu/academic-affairs/policies-and-guidelines/supplemental-syllabus.php>

<http://ung.edu/academic-affairs/faculty-handbook/3-faculty-responsibilities/3.7-class-attendance-policies/3.7.1-student-attendance-policy.php>

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## COURSE

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### DESCRIPTION

A course for students needing supplemental preparation in basic mathematics and beginning algebra. The course is required for students whose placement test scores indicate a need for the course. Topics include signed numbers, algebraic expressions, equations, inequalities, basic graphing, polynomials, rational expressions, and problem solving..

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### COURSE OBJECTIVES

#### Global Math Goals:

1. To present the basic arithmetic operations on the set of real numbers as useful and necessary tools in theoretical and applied mathematics.
2. To establish understanding of the mathematical applications and formulas necessary for various fields of study.
3. To develop the basic concepts of algebra essential to further studies in algebra.

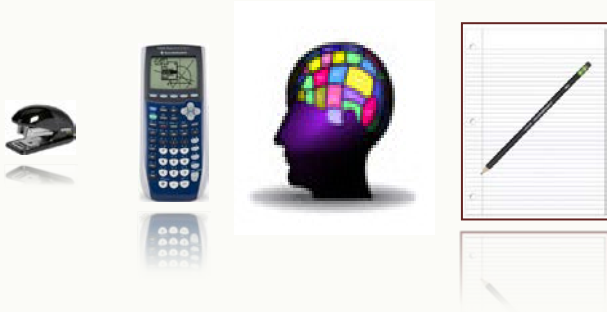
#### Performance Objectives:

1. To identify and perform basic operations on real numbers.
2. To translate sentences to algebraic expressions and equations.
3. To solve linear equations.
4. To graph linear equations.

5. To use exponential notation and properties of exponents.
6. To perform basic operations on polynomials.
7. To factor polynomials.
8. To perform basic operations on rational expressions.
9. To solve a variety of application problems.

## MATERIALS

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**Course Website:** <http://faculty.ung.edu/mgoodroe/index.html>

- Text:**
- 1.) eTextbook - College of the Sequoias - Pre Algebra  
<https://www.cos.edu/Faculty/rossr/Pages/Math-360-PreAlgebra.aspx>
  - 2.) eTextbook - College of the Redwoods - Intermediate Algebra  
<http://msenux.redwoods.edu/IntAlgText/>
  - 3.) eTextbook - West Texas A & M University Beginning Algebra  
[http://www.wtamu.edu/academic/anns/mps/math/mathlab/beg\\_algebra/](http://www.wtamu.edu/academic/anns/mps/math/mathlab/beg_algebra/)
  - 4.) Desmos Graphing Site  
<https://www.desmos.com>

## GRADING

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Your final grade will be determined as follows:

Exams (3)	45%
Assignments/Quizzes	30%
Final(Cumulative)	25%



### EXAMS

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Students need to be in the classroom and prepared to take the exam **five minutes prior** to the scheduled class start time. If you will be late, please notify me via email as soon as possible prior to the start of the exam. **If you miss the exam or come late without prior notification and re-scheduling, a grade of zero will be recorded** (see make -up policy below).

**Calculator use:** you may use a **hand-held calculator for exams**. However, you will not be permitted to use the calculator function on your cell phone or any WiFi device.

If you need to leave the classroom during the exam, please do so quietly and be respectful of other students.

### MAKEUP WORK

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**No make-up of exams/quizzes/homework assignments/Projects will be given.** If you miss one of the exams, then your Final Exam score will replace the missed exam. If you take all exams, then the Final Exam score will replace your single lowest score, assuming your final exam score is greater than your lowest exam score.

If you know in advance that you will not be present during an exam, please notify me via email as soon as possible to schedule taking the exam prior to the actual exam date. No exams will be scheduled **after** the actual exam date, only prior.

## POLICIES

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### ATTENDANCE

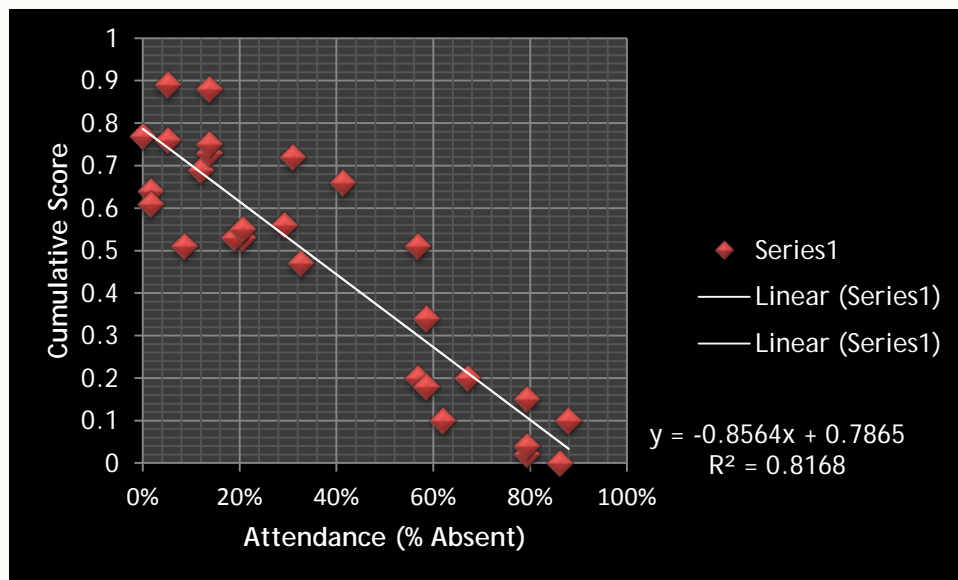
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UNG Student Attendance Policy: <http://ung.edu/academic-affairs/faculty-handbook/3-faculty-responsibilities/3.7-class-attendance-policies/3.7.1-student-attendance-policy.php>

Data support the fact that when students regularly attend their mathematics courses, they are much more likely to succeed. Learning mathematics requires students to engage and actively participate in mathematics. Being absent from class greatly reduces your chances to be involved in your own learning. Though attendance in this course is not an element of your cumulative score, students who regularly miss class tend to have very low scores. Therefore, I will record your attendance daily.

Below is a linear graph from a recent class, which relates the percent of student absences with student's cumulative scores. All my classes have a similar graph! As you can see, as the percent of absences increases to the right on the horizontal axis, cumulative scores decrease on the vertical axis. Conversely, the less a student is absent, say between 0% and 20%, student scores increase. I encourage you to make a personal commitment to attend class regularly and to be proactive in your own education.

Please be aware that UNG policy states that a student who has missed 10% or more in a class can/will be "WITHDRAWN" from class either receiving a grade of "W" or "WF" depending if absences occur before or after the withdraw date! I will be recording attendance everyday starting on the first day through the last day of classes. Therefore, you can miss 6 days during the semester.



## SCHOLASTIC DISHONESTY

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See attached link of UNG's Student Conduct Code:

<http://ung.edu/academic-affairs/policies-and-guidelines/supplemental-syllabus.phpb>

## DISRUPTIVE BEHAVIOR

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Students who exhibit behaviors which are considered to obstruct or disrupt a class or its learning activities will be considered under the Board of Regents Policy on Disruptive Behavior. Behaviors which will be considered to be inappropriate in our classroom include sleeping, eating, coming in late/leaving early, interrupting others, talking out of turn, **cell phone use of any kind**, inappropriate behavior during group work, verbal or nonverbal behavior that is disrespectful of other students or the teacher. Students who exhibit disruptive behavior will be given a verbal warning for the first infraction. If the behavior continues, the student will be asked to leave the classroom. Prior to returning to our classroom, the student will need to make an appointment to see me during office hours. Any further infractions would be referred to the Disciplinary Committee of the College.

### Cell phones:

1. Should be **turned off** or in silent mode **during all classes**.
2. **Should be put away and not visible during class**.
3. Any use of a cell phone, including but not limited to, sending/receiving calls, texting, checking the Internet is not permitted during class, with the exception of Instructor permitted use.

### Computers or Tablets:

1. Are not permitted unless prior arrangements are made with your Instructor.

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## MISCELLANY

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### USEFUL LINKS

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University of North Georgia - Oconee Math Tutor Pages: *Ms. Patricia (Patty) Short*,  
Email: [patty.short@ung.edu](mailto:patty.short@ung.edu); Phone: 706-310-6298; Room: SRC 572

<http://ung.edu/learning-support/academic-resources.php>

<b>KHAN Academy:</b>	<a href="http://www.khanacademy.org/">http://www.khanacademy.org/</a>
Pearson's Intermath:	<a href="http://interactmath.com/ChapterContents.aspx">http://interactmath.com/ChapterContents.aspx</a>
MathTV YouTube Channel:	<a href="http://www.youtube.com/user/MathTV">http://www.youtube.com/user/MathTV</a>
Purplemath:	<a href="http://www.purplemath.com/">http://www.purplemath.com/</a>
UNG- Oconee Math	<a href="https://web.ung.edu/media/MathHelp">https://web.ung.edu/media/MathHelp</a>

**Shared Class Files** - All in-class notes using the Smartboard will be posted daily after each class. Additionally, exam keys will be posted after each exam has been taken.

### ACADEMIC SUPPORT

You are strongly encouraged to go to the SRC or LS Math Lab, study in groups, and see me for help outside of class. All of these are free! Students who get help outside of class are typically much more successful than those that do not.

SRC hours are: (Math Tutoring)

Monday-Friday 8:00 AM - 9:00 PM

<http://www.gsc.edu/academics/labs/oconee/Pages/Math.aspx>

LS Math Lab hours are: (Room 311 B)

Same as Office Hours

**Math Jam Fridays 12:00pm - 02:00pm in room 320**

