SUPPORT FOR QUANTITATIVE SKILLS AND REASONING

MATH 0997, FALL 2018

University of North Georgia

CRN # 6092; 10:00 a.m. – 10:50 a.m. MWF, Room 320

INSTRUCTOR

Name	Michael Goodroe, M. Ed.
Office	740
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Email	michael.goodroe@ung.edu
Hours	1:00 pm – 2:00 pm MW & 11:00 am – 12:00pm TR

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

COURSE

DESCRIPTION

A course designed to allow students to simultaneously satisfy their LS requirements and take MATH 1001, an Area A math course. This course is designed to support a student taking MATH 1001 with just in time assistance. Topics will parallel topics being studied in MATH 1001 as well as the essential quantitative skills needed to be successful in MATH 1001. The course will include non-cognitive aspects to promote a productive academic mindset as well as study strategies that result in academic success.

Credit: 3 hours.

Course Pre-requisites: Admission requirements will be determined on a semester to semester basis. Admission is dependent upon the student's MPI score.

Course Co-requisite: MATH 1001 College Algebra

Additional Policies Pertaining to Learning Support:

- Students who withdraw or are withdrawn from MATH 0997 may not remain enrolled in MATH 1001 and vice versa.
- Students who withdraw from MATH 0997 and MATH 1001 courses will not, however, be required to withdraw from other collegiate courses not directly related to the Learning Support requirement. While there is no limit on the number of attempts that students may have in MATH 0997, students with LS requirements who have not completed Area A of core by the time they earn 30 hours of credit are restricted to taking *only* LS coursework until the LS requirement is completed. Therefore, withdrawals and non-passing grades affect completion of Area A. (see the table below)
- You must have an A, B, or C to pass MATH 0997.
- Students who pass MATH 0997 but do not successfully complete MATH 1001 must repeat both MATH 0997 and MATH 1001. (see the table below)
- Students will exit Learning Support upon successful completion (defined as a grade that satisfies the Area A requirements for that course at that institution) of MATH 1001. Their Learning Support requirements remain until they have successfully completed MATH 1001. This means that students with this Learning Support requirement must register for MATH 0997 and MATH 1001 every semester until they successfully complete MATH 1001.
- Visit http://ung.edu/learning-support/policies.php for a more comprehensive list of USG and UNG Learning Support policies.

Changing Pathways from Non-STEM to STEM:

- After a student has passed MATH 1001 with an A, B, or C, then the student will be allowed to take MATH 1111 without the Support for College Algebra Co-requisite course.

- Upon completion of MATH 1001, a student may, however, volunteer to take MATH 0999, Support for College Algebra, along with the paired section of MATH 1111, College Algebra. If you receive any financial aid, HOPE, etc., please find out if this volunteer option will be covered.
- A student transitioning to MATH 1111 is strongly encouraged to seek out our free math tutors in the beginning of the course; many of the concepts in MATH 1111 are not covered in MATH 1001.

Volunteering for Learning Support Courses:

- A student not required to take a LS course may register for a LS course.
- If a student *not required* to take a LS Math course registers to take MATH 0997 + MATH 1001 and withdraws from MATH 0997 after the add/drop period (not drops) , the student can stay in the MATH 1001 class.

	Pass MATH 0997	Fail MATH 0997
Pass MATH 1001	Exit Learning Support	Exit Learning Support but receive failing grade for MATH 0997
Fail MATH 1001	Remain in LS; repeat MATH 0997 and MATH 1001	Remain in LS; repeat MATH 0997 and MATH 1001

COURSE OBJECTIVES

After completion of the course the student will be able to:

- Round whole numbers and decimals to a given place value
- Convert fractions, decimals, and percents
- Apply the order of operations
- Perform operations with real numbers
- Simplify fractions
- Find the square root of a number and apply the square root property
- Evaluate algebraic expressions for given values of the variable
- Solve linear equations in one variable
- Plot points and graph lines on the Cartesian coordinate system
- Write a linear equation in slope intercept form
- Apply problem solving skills
- Apply necessary calculator and/or computer skills, such as MS Word and Excel

MATERIALS

- Required Text: Bass, *Math Study Skills, 2ⁿᵈ Ed.,* Pearson, 2013.
- Scientific Calculator: **TI-30XS *Multiview*** – recommended.
- Computer with access to the Internet and access to computer based Spreadsheet software: **MS Excel** (required).
- **Course Website: http://faculty.ung.edu/mgoodroe/index.html**

GRADING

Your final grade will be determined as follows:

Assignments/Quizzes	55%
Attendance (Participation)	45%

Grade Distributions:

90+	A
80 – 89	B
70 – 79	C
69<	F

No make-up of exams/quizzes/homework assignments will be given.

POLICIES

ATTENDANCE

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
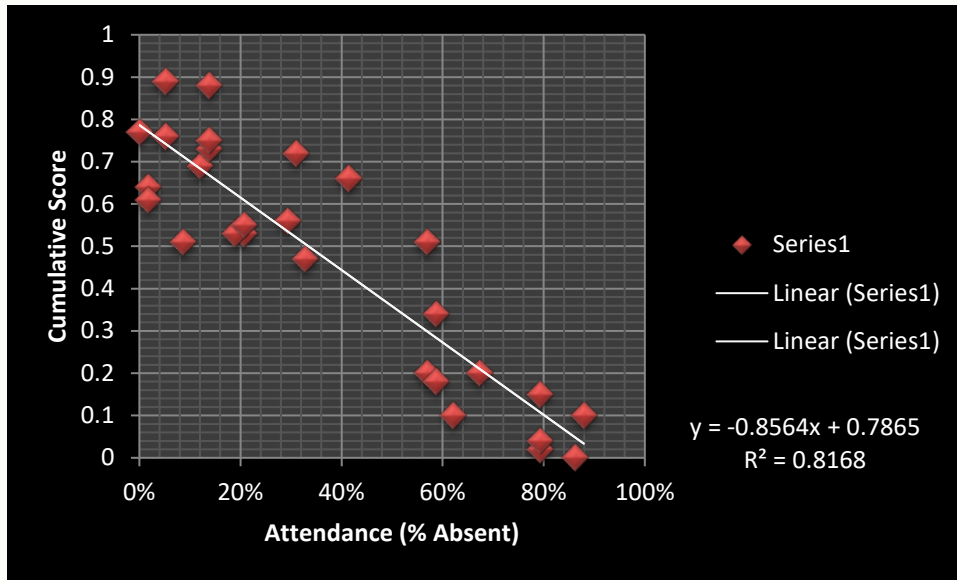
Data support the fact that when students regularly attend their mathematics courses, they are much more likely to succeed. Learning mathematics requires students to engage and actively participate in mathematics. Being absent from class greatly reduces your chances to be involved in your own learning. 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! Additionally, if you are withdrawn from Math 0997 you will also be withdrawn for Math 1001 (College Algebra)! I will be recording attendance everyday starting on the first day through the last day of classes. Therefore, you can miss 5 days during the semester.

Breakdown of Attendance (Participation) score:

0% - 2%	100
3% - 5%	90
6% - 8%	80
9% -10%	70
11% - 14%	60
15%+	0

Chart: Cumulative Score vs. Attendance (% Absent)

Legend: Series1, Linear (Series1), Linear (Series1)

$y = -0.8564x + 0.7865$
$R^2 = 0.8168$

SCHOLASTIC DISHONESTY

See attached link of UNG's Student Conduct Code:

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

DISTRUPTIVE BEHAVIOR

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/Electronic Devices:

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.

4. Failure to follow the above items #1, #2, and #3 will result being charged an absence, which will count toward total absences as described in the *Attendance Policy*.

Computers or Tablets:

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

MISCELLANY

USEFUL LINKS

UNG Resources: http://ung.edu/learning-support/academic-resources.php

**Professor Julie Harland:
https://sites.google.com/site/harlandclub/Home/math/algebra

**Kuta Software: http://www.kutasoftware.com/freemain.html

* KHAN Academy: http://www.khanacademy.org/

Pearson's Intermath:
http://interactmath.com/ChapterContents.aspx

MathTV YouTube Channel: http://www.youtube.com/user/MathTV

Purplemath: http://www.purplemath.com/

UNG- Oconee Math: https://web.ung.edu/media/MathHelp

ACADEMIC SUPPORT

You are strongly encouraged to go to the SRC or Math Jam Fridays, 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.

Monday-Thursday	8:00 AM – 5:00 PM
Friday	8:00 AM – 3:00 PM

http://ung.edu/tutoring-services/oconee-campus-services.php