**SUPPORT FOR COLLEGE ALGEBRA**

**Syllabus**

**Semester Year**

Support for College Algebra Days Times Math 0999-\_\_\_\_ CRN \_\_\_\_ Location

**COURSE:** MATH 0999

**CREDIT:** (0-2-1) for institutional use only

**COREQUISITE:** MATH 1111

**TEXT:** None required

**INSTRUCTOR:**

**PHONE:** 678-359-\_\_\_\_

**EMAIL ADDRESS:** \_\_\_\_\_\_\_\_\_\_@gordonstate.edu

**OFFICE:**

**OFFICE HOURS:**

**SOFTWARE:** Hawkes Learning software is required for this course. All assignments (pretests, lessons/assignments, and tests) are in the software, and we are using a mastery-based approach.

**HAWKES**

**TECH SUPPORT: 1.800.426.9538**

*Note: This is a tentative syllabus and may be changed by the instructor at any time.*

**1. DESCRIPTION**

This course is designed to help the student simultaneously address learning support mathematics requirement and complete a Core Area A mathematics course, College Algebra (Math 1111).

The course covers polynomial, rational, and radical expressions and sentences, polynomial functions and their graphs, and simultaneous systems of equations.

1. MATH 1111 will be taken at the same time. Mathematical topics will be studied at the needed time in this course for the student to succeed in MATH 1111.
2. To do well in the course, students must practice many problems outside of class, ask questions in class until there is a complete understanding of each concept, and prepare for tests by reviewing problems worked in class.
3. A notebook needs to be maintained and brought to class each day. All of the Hawkes Learning software assignments need to be labeled with the assignment and work placed in your notebook. The MATH 1111 textbook is optional.

**2.** **COURSE OBJECTIVES**

1. General education objective: Students will demonstrate a basic knowledge of the fundamentals of college level mathematics.
2. Learning Support Math Program Goal: Mathematics students will be taught the skills needed for successful college level work.
3. Outcomes: Successful MATH 0999 students will demonstrate an understanding of polynomial, rational, and radical expressions and sentences, linear and quadratic functions, exponential and logarithmic functions, and statistical reasoning. The successful student will also complete MATH 1111.

**3. ADDITIONAL RESOURCES**

1. Free tutoring available in the Student Success Center and the STEM Center (IC 319)
2. Study groups with fellow classmates
3. Individual help during instructor’s office hours

 **4. OFFICE PROCEDURES FOR EXTRA HELP**

1. Bring lesson notes.
2. Make sure the lesson has been read and the examples studied.
3. Be prepared to show at least two problems that have been attempted.
4. Bring incomplete or incorrect work for each problem.
5. Ask for help as early as possible. Do not wait until the day of the test.

**5.** **ATTENDANCE**

 Attendance is very important. All students are expected and urged to attend all classes. Each absence makes it more difficult to acquire knowledge and increase learning.

**6. CLASSROOM ETIQUETTE**

1. Treat the instructor and other students with respect.
2. Talk to other students only to get help on a related math problem. This must be done quietly, so you do not disturb others.
3. Leave the classroom during class time only after having spoken to the instructor.
4. Cell phones must be silenced and out of sight during class time. Phones should be placed in your bag or on the floor. They do not need to be on your desk or in your lap. Your attention needs to be on the lesson.
5. Drinks and/or food may not be brought into the computer labs.

**7. CALCULATOR**

1. Cell phone calculators may not be used.
2. Texas Instruments TI-30XIIS and TI-84 Plus are recommended. Choose one!

**8.** **GRADES**

All of the course grading will be done in the Hawkes Learning software. After a mandatory diagnostic pretest, students will work through several homework assignments, and then conclude the unit with a test. There are 5 units in the course, as outlined below.

The 5 pretests will count 20%, the 5 tests will count 40%, and the 20-25 assignments will count 40%. The course average will then be based on the standard grading scale:

|  |  |
| --- | --- |
| A% | 89.5-100 |
| B% | 79.5-89.4 |
| C% | 69.5-79.4  |
| IP% | Not satisfactory, but showing progress |
| F% | 0-69.4, but not showing progress  |
| WF% | Withdrawn after midterm or stopped attending after midterm without officially withdrawing from the class |
| W% | Withdrawn before midterm |

**9.** **CRITERIA FOR EXITING MATH 0999 (Learning Support Math)**

A student completing MATH 1111 with a grade of D or higher will also have completed MATH 0999 and exited Learning Support Math.

**Learning Support Standards of Progress**

In addition to the **Academic Standards of Progress** (See the on-line Gordon State College Academic Catalog) and in accordance with policies of the University System of Georgia, students enrolled in one or more Learning Support courses must comply with progression requirements of the Learning Support program. (See Learning Support Program in the on-line catalog for more information.)

Students required to enroll in co-requisite support labs (ENGL 0999, MATH 09997, or MATH 0999) must complete the college-level course(s) (ENGL 1101, MATH 1001, or MATH 111) prior to accumulating 30 semester hours of college-level credit. Students with Learning Support requirements with more than 30 college-level credit hours will be allowed to enroll only in the classes required to complete Learning Support requirements.  No other classes may be taken.

Students admitted as part of the Fall Institute or Summer Institute must earn at least a C in all classes during their first semester.

**ADDITIONAL INFORMATION**

1. Should students find it necessary at any time to see their instructor or the Coordinator of the Learning Support Program for clarification of any course related or departmental policy, to discuss their progress, or to request additional help, they should feel free to ask for an appointment.
2. Title IX

Gordon State College is committed to providing an environment free of all forms of discrimination and sexual harassment, including sexual assault, domestic violence, dating violence and stalking.  If you (or someone you know) has experienced or experiences any of these incidents, know that you are not alone. All faculty members at Gordon State College are mandated reporters.  Any student reporting any type of sexual harassment, sexual assault, dating violence, domestic violence or stalking must be made aware that any report made to a faculty member under the provisions of Title IX will be reported to the Title IX Coordinator or a Title IX Deputy Coordinator.  If you wish to speak with someone confidentially, you must contact the Counseling and Accessibility Services office, Room 212, Student Life Center.  The licensed counselors in the Counseling Office are able to provide confidential support.

Gordon State College does not discriminate against any student on the basis of pregnancy, parenting or related conditions.  Students seeking accommodations on the basis of pregnancy, parenting or related conditions should contact Counseling and Accessibility Services regarding the process of documenting pregnancy related issues and being approved for accommodations, including pregnancy related absences as defined under Title IX.

1. ADA and 504

If you have a documented disability as described by the Americans with Disabilities Act (ADA) and the Rehabilitation Act of 1973, Section 504, you may be eligible to receive accommodations to assist in programmatic and/or physical accessibility.  The Counseling and Accessibility Services office located in the Student Center, Room 212 can assist you in formulating a reasonable accommodation plan and in providing support in developing appropriate accommodations to ensure equal access to all GSC programs and facilities.  Course requirements will not be waived, but accommodations may assist you in meeting the requirements.  For documentation requirements and for additional information, contact Counseling and Accessibility Services at 678-359-5585.

**Math 0999 SCHEDULE OF CLASSES**

**Support for College Algebra Days Times Math 0999-\_\_\_\_\_ CRN \_\_\_\_\_ Location**

**Hawkes website:** [**http://learn.hawkeslearning.com/**](http://learn.hawkeslearning.com/)

|  |  |  |
| --- | --- | --- |
| **Section** | **Section and/or Topics** | **Date** |
| 1.R.1 | Exponents, Prime Numbers, and LCM |  |
| 1.R.2 | Reducing Fractions |  |
| 1.R.3 | Decimals and Percents |  |
| 1.R.4 | Simplifying Radicals |  |
| 1.1 | The Real Number System |  |
| 1.2 | The Arithmetic of Algebraic Expressions |  |
| 1.3a | Properties of Exponents |  |
|  | **Test Unit 1A** |  |
| 2.R.4 | Solving Equations: Ratios and Proportions |  |
| 2.1a | Linear Equations in One Variable |  |
| 2.1b | Applications of Linear Equations in One Variable |  |
| 2.2 | Linear Inequalities in One Variable |  |
| 2.3 | Quadratic Equations in One Variable |  |
| 2.6 | Radical Equations |  |
|  | **Test Unit 1B** |  |
| 3.1 | The Cartesian Coordinate System |  |
| 3.2 | Linear Equations in Two Variables |  |
| 3.3 | Forms of Linear Equations |  |
| 3.4 | Parallel and Perpendicular Lines |  |
| 3.6 | Introduction to Circles |  |
|  | **Test Unit 2** |  |
| 4.1 | Relations and Functions |  |
| 4.2a | Linear and Quadratic Functions |  |
| 4.2b | Max/Min Applications of Quadratic Functions |  |
| 4.4 | Transformations of Functions |  |
| 4.5 | Combining Functions |  |
|  | **Test Unit 3** |  |
| 5.1 | Introduction to Polynomial Functions and Graphs |  |
| 5.2 | Polynomial Division and the Division Algorithm |  |
| 5.3 | Locating Real Zeros of Polynomials |  |
|  | **Test Unit 4** |  |
| 7.R.1 | Simplifying Integer Exponents I |  |
| 7.R.2 | Simplifying Integer Exponents II |  |
| 7.R.3 | Rational Exponents |  |
|  | **Test Unit 5A** |  |
| 7.1 | Exponential Functions and their Graphs |  |
| 7.2 | Applications of Exponential Functions |  |
| 7.3 | Logarithmic Functions and their Graphs |  |
| 7.4 | Properties and Applications of Logarithms |  |
| 7.5 | Exponential and Logarithmic Equations |  |
| 8.R.1 | Solving Systems of Linear Equations by Graphing |  |
|  | **Optional Final Exam** |  |

**Important Dates –**

Instructor:
Office: Office Hours:
Other Tutoring: Student Success Center (Student Center, 2nd floor, above Bookstore), STEM Center (IC 319)
Phone: 678-359-\_\_\_\_\_\_\_\_
E-mail: Website: