

ALGEBRA II COURSE SYLLABUS 2014-2015

Instructor: **Mrs. Erly Buena**
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Room #54
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Course Description:

The purpose of Algebra 2 is for students to have a comprehensive and thorough understanding of the rules of operations and relations. This course will overview fundamental mathematical skills relating to functions, equations, inequalities, probability, sequences and series, matrices, radicals, absolute value, exponents, polynomials, logarithms, complex numbers, the binomial theorem, rational functions, and conic sections. Moreover, students will be introduced to both statistics and trigonometry to prepare for advanced studies in mathematics. Applications will prepare students to use logical steps in problem solving and use data analysis for modeling. Applications of topics will emphasize critical thinking and incorporate the use of technology.

Textbooks/Supplemental Materials

Primary Textbook

Title: Algebra 2: Integration, Applications, Connections

Publication Date: 1998

Publisher: Glencoe, McGraw-Hill

Author(s): William Collins, Gilbert Cuevas, Alan Foster, Berchie Gordon, Beatrice Moore-Harris, James Rath, Dora Swart, Leslie J. Winters

Supplementary Resources

Geogebra: www.geogebra.org

Pre-Calculus: Math in Practice supplementary resource (from primary textbook)

Mathematics Assessment Project: <http://map.mathshell.org/materials/index.php>

Supplies Needed

Notebook (solely for Algebra 2 class; required to be submitted every grading period)

#2 pencils; erasers

graphing calculator (TI-83 or TI-84) – recommended to own

binder paper, graph paper

2-pocket poly folder

dry erase markers + old sock for eraser

Grading Scale

Assignments (HW/CW)	10%
Behavior/Participation	10%
Quizzes	20%
Tests	40%
Final Exam	20%

Letter Grades

A+	97	C+	77
A	94	C	74
A-	90	C-	70
B+	87	D+	67
B	84	D	64
B-	80	D-	60
Below 60%		F (not passing)	

Student Support

In the classroom, you are required to ask questions for inquiry or clarity. I can also assist you with work after school or during lunchtime.

Tests and Quizzes

Quizzes will be given on a regular basis. Quizzes may or may not be announced, so be prepared by asking questions if you do not understand something. You **MUST** show all your work on quizzes to receive full credit.

Tests will be cumulative in nature so be sure that you keep reviewing prior topics that have been covered. Tests will be announced at least two days prior to the day that it is given. You will receive review questions prior to each test in order to prepare you for the test. You will be expected to complete these problems and ask any questions prior to the test. I will not answer questions during the test.

Test questions will be any combination of open response, short answer, multiple choice, true/false, or matching. You will be given credit only for answers that show work. You will not be given credit for problems with no work, regardless if the answer is correct.

Notebooks and books will not be allowed during a test or quiz. Formula sheets will only be allowed if provided by the teacher.

You must keep all returned tests/ quizzes / worksheets in your folder. Do not throw away any assignment paper. They will be used for Math Magazine – a portfolio of learning.

Extra Credit

Opportunities for extra credit will be announced.

Late Work

Late work is accepted for partial credit 50% the day after it was checked.

Absences

Students are responsible for any work missed due to an absence. A one-day extension is given for each day of authorized absence. Being absent in class before a test/quiz does not excuse you from having to take the test. If a student is absent on a test or quiz day, the student is responsible for scheduling a make-up time with the instructor before or after-school within two days.

Classroom Responsibilities

- Everyone has the right to learn. Every student must follow the school and class rules so they do not infringe on the rights and comforts of others.
- Respect – yourself, your classmates, your teacher and the school community.
- Effort – stay focused on task, do your best every time, be prepared and on time.
- Support – ask for help, offer help and look out for your classmates.

Classroom Expectations

- It is the student's responsibility to come to class with appropriate work and supplies ready to start learning.
- Raise your hand to ask questions, contribute to class discussion or to leave seat during class.
- All assignments must have appropriate headings (name, date, period, assignment description). No credit is given to assignment without name. Work **MUST** be shown for all problems.
- Work together as a team on class work. Test and quizzes must be completed on your own. School rules about cheating/plagiarism will be implemented. *Parents will be immediately contacted.*
- Instructional time is extremely important. You are only allowed three bathroom/hall passes per semester. Use these only for emergencies. Unused bathroom/hall passes will be redeemed for extra credit points at the end of the semester.

Hints for Success in Algebra 2 Class!

- Prepare for class. It is very important to read and study all that you are assigned of.
- Participate actively in class (take notes, ask questions and work with your group).
- Review what you learned in class.
- Be RESPONSIBLE for yourself: Ask questions before, during or after class/school.
- Have a POSITIVE ATTITUDE.
- Try to do your BEST at all tasks you must undertake.

Please return this page to Mrs. Buena. The syllabus should be kept in your folder.

STUDENT ACKNOWLEDGMENT

My parents/guardians and I have read and discussed the syllabus for Mrs. Buena’s Algebra 2 class. We understand the requirements, expectations and consequences for the class and will participate together to achieve the highest possible success.

Print Student Name

Student Signature

To the Parents/Guardians,

I look forward to teaching your child Algebra 2 skills this year. If there is anything I should know that will help him/her be more successful this year, please add your comments below. I believe that it is extremely important that communication between students, their parents and myself should be clear and open at all times. Should there be any questions or concerns, please contact me immediately. I will also contact you via your preferred method listed below as needed.

Print Names of Parents/Guardians

Parents’/Guardians’ Signatures

Preferred mode of contact: _____ Phone _____ Email

Phone Number(s) _____

E-mail _____

Comments or questions:

