



2019-2020 MATH III COURSE SYLLABUS

1.	COURSE NUMBER, TITLE, UNITS AND PRINCIPAL/DEPARTMENT APPROVED DESCRIPTION	
	Math III (Two semesters; 5 units each semester; 10 units total)	
2.	General Information	
	Term and year:	2019-2020
	Instructor:	Ruben Griffin
	Class Room	T14
	Phone Number	(916) 395-5090
	E-mail Address	Ruben-Griffin@scusd.edu
3.	TEXTBOOKS AND/OR RECOMMENDED OR REQUIRED READINGS	
	Common Core State Standards, Mathematics III, Integrated Pathway. Walch.	
4.	General Overview	
	Math III continues students' study of topics from algebra, geometry, and statistics in a problem-centered, connected approach. Functions and algebraic representations of geometric concepts are the principle topics of study. Students will be expected to describe and translate among graphic, algebraic, numeric, tabular, and verbal representations of relationships and use those representations to solve problems. The new Common Core high school standards call on students to practice applying mathematical ways of thinking to real world issues, prepare students to think and reason mathematically, and emphasize mathematical modeling.	
5.	Course Objectives	
	This program includes all the topics addressed in the CCSS Integrated Pathway: Mathematics III content map. These include:	
	<ul style="list-style-type: none"> • Using the Normal Curve in Statistics. Population versus Random Sampling. Binomial Distribution. • Using Polynomial Structures. Adding/Subtracting/Multiplying/Graphing Polynomials. • Using Rational Expression Structures. Adding/Subtracting/Multiplying/Dividing Rational Expressions • Using the Unit Circle. Applying the Law of Sine and the Law of Cosine • Using Common Logarithms and Natural Logarithm • Using Mathematical Modeling. Creating Equations. Interpreting Graphs 	
6.	COURSE REQUIREMENTS, ATTENDANCE AND SPECIFIC GRADING POLICY	
	Students earn grades. Grades are based on demonstrated mastery of concepts and development of skills, not effort or potential. The major component of your grade is determined by your results on exams and quizzes. Progress reports are available on the District Web site in Infinite Campus and I expect students and parents to use the District Web site. Student performance will be based on assignments, which includes homework (based on work collected), in class assignments (based on work collected such as worksheets and activities), and assessments which includes tests, quizzes, and the final exam. The overall	



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course grade will be based on the following percentage distribution.

- ,25% Homework - Quizzes
- ,5% Notes
- ,5% Participation
- ,45% Unit/Progress Assessments
- ,20% Final

Up to 2% Extra Credit added Participation category

Students with special needs will have accommodations per IEP.

The following percentage scale will be used in determining grades:

89.5%-100%	A
79.5%-89.4%	B
69.5%-79.4%	C
59.5%-69.4%	D
0%-59.4%	F

*Note: Extra credit will not exceed 2% of the grade in the participation category.

HOMEWORK AND STUDY: Homework and student study is an essential part of your education. Any student expecting to do well in this course should carefully read the text and do all the assigned work.

TESTS/EXAMS: A comprehensive test to measure students' mastery of skills and concepts will be given, as a minimum, at the end of each chapter/unit; mid-unit tests and quizzes will also be given based on chapter content. Students will be informed of the comprehensive unit test date at least a week in advance. Unexcused absences before the test date do not excuse a student from taking the test as scheduled. Lastly, a comprehensive final must be taken at the end of each semester.

No notes/notecards are allowed on ANY test. Quizzes are okay. If a test warrants, teacher may provide a formula sheet for test use.

There are no test RETAKES. However, students will be given an opportunity, outside of class time, to improve test scores. (at 90% original value, up to 25%)

7. DESCRIPTION OF MAJOR ACTIVITIES/EXERCISES/PROJECTS

Instructional Strategies and Activities Include:

- Lecture on concepts and techniques
- Presentation/modeling of examples and strategies
- Large and small group discussions and explorations
- Reading and writing assignments
- Practice and learning through classwork and homework assignments
- Applications to demonstrate relevance and extend learning
- Active student engagement in group work and discussions
- Quizzes, and tests to encourage and monitor learning



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8. General Statements

Students are expected to be familiar with and adhere to policies in the JFKHS Student Handbook. The student handbook identifies student rights, responsibilities, discipline rules and consequences, behavior, and other information for academic and social success.

Late work resulting from student absences will only be accepted if absence is excused through the attendance office. It is the student's responsibility to make arrangements with the teacher the day before or after the absence for make-up work.

Zeros will be issued on ANY daily assignment or assessment due to cheating students and the enabler.

The teacher has the right to adjust assessments, daily assignments and due dates as necessary.

CLASSROOM BEHAVIOR EXPECTATIONS: The following summarizes important expectations for classroom behavior. Students are expected to:

- attend class every day.
- complete all assignments on time.
- be seated and prepared for learning when the bell rings.
- it is strongly recommended that you have a graphing calculator
- treat their classmates with respect; no put downs of any kind.
- actively and positively participate in class.
- demonstrate personal responsibility, honesty, and integrity in all of their actions.

CLASSROOM RULES: The following few rules guide classroom behavior and activity.

- Follow teacher directions and requests immediately.
- Keep your hands, feet, and other objects to yourself.
- Remain seated unless you have permission to move about the classroom.
- Eating (food, candy, etc.) and gum chewing are not permitted in the classroom.

ELECTRONIC DEVICES: Electronics (music devices, cell phones, etc.) are to be turned completely off and put away.

CHARACTERISTICS OF QUALITY WORK: Using the following guidelines will help you master the Integrated Mathematics III objectives. Quality work has the following characteristics:

- Is complete with full solutions. That is, all problems are completed or at least attempted.
- The supporting work for each problem is shown completely using proper algebraic conventions and notations.
- The work is done neatly.
- The work is done accurately.

CHARACTERISTICS OF A SUCCESSFUL STUDENT: Students that are successful in school generally, exhibit the following traits:

- Is consistently present for class in body and spirit.
- Desires to learn the material presented.
- Uses time wisely.