

Frank McClarin High School

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Anita Marie Lee, Principal
Shadelle Denson, Assistant Principal
Sabrina Richardson, Administrative Assistant

Stella Wilson, Counselor
Emory Fears, Counselor
Detra Burrell, Graduation Coach



Tutorial by appointment only

COURSE SYLLABUS 2008-09

Advanced Algebra and Trigonometry

Second Semester

School: Frank McClarin High School
Teacher: Mr. Joel N. Bohannon, Sr.
Telephone: (404)669-8080 ext: 213

Department: Mathematics
Room: 201
E-mail: bohannonj@fultonschools.org

Course Description: Students will be exposed to problem solving, reasoning and estimation, exponential and logarithmic functions, trigonometry, complex numbers, vectors, matrices, analytical geometry/conic sections, sequences and series, probability and statistics.

Textbook: ADVANCED MATHEMATICAL CONCEPTS. Glencoe McGraw-Hill, 2001. (\$54.99)

Content Topics	Chapters	~Teaching Time	Timeline
1. Vectors and Parametric Equations	8	8	(1-8)
2. Polar Coordinates and Complex Numbers	9	10	(9-18)
3. Conics	10	9	(19-27)
4. Exponential and Logarithmic Functions	11	8	(28-35)
5. Sequences and Series	12	10	(36-45)
6. Combinatorics and Probability	13	8	(46-53)
7. Statistics and Data analysis	14	7	(54-60)

Class Expectations:

1. The students are assigned homework Monday through Thursday.
2. The student will have an opportunity to make up excused assignments and retake failed test.
3. The students are expected to attend every class period.
4. The teacher will use computers and calculators to assist students with exploration and discovery of concepts.
5. The teacher will focus on having the students use their mathematical knowledge and skills to become non-routine problem solvers.
6. Objectives for each course will be given to the each student attached to this document
7. Topics and concepts may be modified to accommodate student modalities
8. All students will complete a project from a list given by the teacher and/or student suggestion

Grading Procedure

Class Participation	10%
Reading Enrichment	10%
Mid Term Exam	15%
Homework	10%
Practice/Notebook	10%
Project/s/Labs	20%
Test Average	10%
Final Exam	15%

Grading Scale

A	90+
B	80 – 89
C	70 – 79
F	69 or less

RULES TO LEARN BY

1. Remain silent while others are speaking or working.
2. Remain in your seat unless given permission to get up.
3. Be neat, always use good manners and be kind to all.
4. Be in your seat and ready to work when the bell rings.
5. Have your math materials ready when the bell rings.
6. Have an academic attitude when class begins.
7. Focus on math only, paying close attention to instructions.
8. Work hard on math during the entire class.
9. Turn in your own work on time.
10. Follow all rules stated in the Discipline Handbook.v

Collaboration is expected and encouraged on some assignments. Other assignments must be completed without help from any source. You will be informed if group or buddy work is allowed. Any unauthorized help will result in parent notification and/or a non satisfactory grade for both helper and the recipient of the helper.

CONSEQUENCES FOR NOT FOLLOWING THE RULES

1. Verbal reprimand or warning
2. Conference with teacher and/or Last to be Dismissed from Class
3. Call to Parent/Guardian
4. Detention, Formal or Written Apology
5. Referral to Administrator (1-4 omitted for serious offense or disruption)