

ADVANCED TOPICS IN MATHEMATICS 2015-2016

COURSE NUMBER: 1298310
GRADE LEVEL: 11, 12
COURSE LENGTH: Year
GRADUATION AREA: Mathematics
TEACHER: Ms. Bowens
TELEPHONE: 352-524-5500
OFFICE HOURS: 1:05 p.m. – 2:30 p.m.

BRIGHT FUTURES SCHOLARS: Yes
GOLD SEAL CORE COURSE: Yes
GOLD SEAL VOC. COURSE: No
CREDIT: 1.0
ROOM: Building 15 Room 202
EMAIL: tbowens@pasco.k12.fl.us

PREREQUISITE: Successful completion of Algebra 2 or equivalent coursework with a C average.

COURSE DESCRIPTION: This course is designed to continue mathematics study beyond Algebra II. Topics shall include functions, polynomials, rational functions, conics, exponential and logarithmic functions, finance, probability and statistics, sequences and series, matrices, and right triangle trigonometry.

Quarter 1:	August 24 – October 23	Unit A: Functions
Quarter 2:	October 26 – November 6	Unit B: Complex Numbers
	November 9 – December 18	Unit C: Probability and Statistics
Quarter 3:	January 19 – March 18	Unit D: Trigonometric Functions
Quarter 4:	March 9 – April 29	Unit E: Geometric Concepts
	May 2 – June 28	Unit F: Matrices

TEXT: *Glencoe/McGraw-Hill Precalculus by Carter, Cuevas, Day, Malloy, Bryan, Holliday, Hovespian.* Study Notebooks will be assigned to each student and utilized throughout the school year along with the *Glencoe/McGraw-Hill Precalculus Textbooks*. Workbooks may be kept in the classroom or brought back and forth from home everyday. There is not a class set of *textbooks*; therefore, students will need to bring their assigned textbooks to class daily.

MATERIALS: 3-ring binder (1-inch or more), Scientific/graphing calculator, notebook paper, graph paper (4-5 squares per inch), #2 pencils, and erasers.

GRADING SCALE: 90-100 (A) 80-89 (B) 70-79 (C) 60-69 (D) 0-59 (F)

GRADING POLICY: The student will receive 1 credit for a grade of D (60%) or higher. The final course grade will be determined from the average of the two semester grades. Each semester grade will be determined from the average of the two quarterly grades. Each quarterly grade will be determined as follows:

TESTS (50%) are announced approximately one week in advance, and will cover the material from an entire chapter. **ALL** tests will be open notebook. **ALL** students present on test day **MUST** take the test. If absent on test day, the students must make up the test within **SEVEN** days.

QUIZZES (30%) may be announced or unannounced, so students should be prepared for a quiz at any time. **ALL** quizzes will be open notebook. Quizzes will cover the material from the most recent notes and homework. **ALL** students present on quiz day **MUST** take the quiz. If absent on quiz day, the students must make up the quiz within **SEVEN** days.

HOMEWORK/CLASSWORK (20%) will be assigned as needed. **ALL** assignments must be completed in **PENCIL**. Each assignment will receive a percent score based on the number of problems completed out of the number of problems assigned. A complete problem must have all possible work shown to receive

credit. No credit will be given for answers only or work completed in pen. All students are expected to turn in assignments on time. **Late work will receive a maximum score of 60%.** Absent students are to complete and turn in make-up work within **SEVEN** days.

EXTRA CREDIT: Extra credit will be offered at the teacher's discretion.

LABELING PAPERS: Students should always include their full name, date, and period on each test or paper. Papers without names will be held for one week and then discarded.

SUBMITTING AND RECEIVING WORK: Students are to submit any work due to the teacher, in her hands, when the teacher requests it, whether it is at the beginning, middle, or end of the class period. The teacher will distribute graded work as grading is completed.

ACADEMIC INTEGRITY (CHEATING): All students will adhere to the highest levels of academic honesty and personal integrity. Students who are caught cheating on their work will either receive a zero or a referral and a phone call to a parent.

MAKE-UP WORK POLICY (District School Board of Pasco County):

Excused absences guarantee students the right to make up any and all assignments assigned on the day[s] of absence at full credit. The student is responsible for asking the teacher(s) for assignments and make-up tests within two (2) class meetings with the teacher. The teacher(s) shall specify a reasonable period of time for completion of make-up work. In no case shall the time be less than one full calendar day for each day missed. Work due to be turned in on the day of the absence will be turned in upon return and be given full credit. The principal or designee shall have the authority to modify these conditions with a confirmed hardship. Students who have been assigned out-of-school suspension (OSS) may make up all missed assignments and tests for full credit.

All assignments will be graded and returned to you with a score. However, if your absence is unexcused, a hold will be placed on your grade, and **AB**, which is equivalent to a zero, will appear in e-sembler as your grade. Once e-sembler shows that your absence is excused, the grade hold will be lifted. **There will be no exceptions.**

TUTORING: After school tutoring in the IRC Tuesdays and Thursdays. Students must sign-up in advance. Students may also study in the IRC quietly during lunch.

ESEMBLER: Parents, guardians, and students may access grades at any time via e-Sembler at <https://grades.pasco.k12.fl.us>. Grades are updated daily. Parent and student accounts will be notified when new assignments are posted, assignments are missing, and when overall quarter grades fall below 70%.

CLASSROOM RULES/EXPECTATIONS: Students are expected to follow the District School Board Code of Conduct. Students are expected to behave in a manner that creates an environment that is conducive to learning. Disruptive students will not be tolerated. After a verbal warning, a seat change will occur, and finally, parent contact will be made. If that fails, the referral process will begin and could result in student removal from the class. For serious breaches of the code of conduct, the student will be removed by an administrator, and a referral will follow. All rules set forth by the District School Board of Pasco County, located in your student planner, must be followed in the classroom.

TARDY POLICY: Students need to arrive on time and stay through dismissal so they will receive important directions, class instruction and avoid disrupting other students. Parents can set a good example by encouraging students to follow the school's time schedule and to follow the procedures found in the school

handbook. All parents must report to the front office when picking up their child prior to the regular dismissal time.

SEATING CHART: Teachers reserve the right to use a particular seating plan, group, or speaking expectation tailored to each activity.

HALL PASSES: Students must sign out when leaving the room for any reason and sign in when they return.

REMIND: This class will be using REMIND to remind students of homework and upcoming tests and quizzes. To receive text messages, text **@18d64** to **81010**. You can opt-out of messages at anytime by replying, 'unsubscribe @18d64'. Trouble using 81010? Try texting **@18d64** to **(786) 766-7435** instead.

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Student/Parent Signature

I have read the course syllabus and understand what is required of me.

Name (printed)

Signature

My son/daughter and I have reviewed and understand the course syllabus.

Parent/Guardian Name (printed)

Signature

Phone number

Email

Any additional information you may wish to share:

