

MATH 1314 College Algebra

Spring 2010

Instructor: Raul Aparicio
Phone: (979)209-7618
E-mail: use e-campus mail

Office: L-243
Office Hours: TBA

Course Description: College Algebra is the study of real and complex numbers, factoring, exponents, radicals, linear, fractional and quadratic equations, inequalities, functions, graphs of polynomial and rational functions, systems of equations, matrices, determinants, and logarithms. This course meets three hours per week. A student receives three semester hours for satisfactorily completing this course.

Prerequisites: Math 0312 with a "C" or better, **or** High school Algebra I, high school Algebra II, high school Geometry, high school Precalculus **and** a 270 or higher on the mathematics section of the THEA, or an appropriate score on an alternate testing instrument.

Core Course: This is a Core Course in the 42-Hour Core of Blinn College. As such, students will develop proficiency in the appropriate Intellectual Competencies, Exemplary Educational Objectives, and Perspectives. The URL for Blinn College core curriculum web site is www.blinncol.edu/corecurriculum.

Course Objectives: The student should perform at a 70% or better average on examinations and quizzes covering the topics listed in the course description and those topics included in the daily schedule.

Textbook: Cynthia Young, College Algebra, 2nd. Edition, Wiley

Calculator Policy: A TI-83 graphing calculator is REQUIRED in this course. Other graphing and/or scientific calculators MAY be used if first cleared, in writing, with the instructor. Symbolic calculators will not be allowed. ***** You should expect that all exams will be no calculator allowed. *****

Additional Materials:

Graph Paper-several pages (large squares)

1 Scantron for the final exam

Unit Exams (50%): There will be 4 comprehensive exams in this course. These exams will test the specific content covered in the unit as well as conceptual understanding, number sense, problem solving skills, mathematical reasoning, and communication skills. These exams will be given during regular class time on the days scheduled with a time limit. *A zero will be recorded if you missed a Unit Exam.*

Assessments (30%): Written assessments **will** be graded based on your conceptual understanding, mathematical reasoning, following directions, completion, and communication skills. All graphs must be drawn as it was shown in class and on graph paper. Wiley Quizzes will be given every week. On class quizzes may be given at any time.

Final Exam (20%): There will be a comprehensive final exam (multiple choice) which will include the departmental post-test. The final exam will be taken as specified in the attached schedule in the regular classroom. A scantron and #2 pencils are required. *All students must take the final exam.*

Unit Exams _____ 50%
Homework/ _____ 30%
Final Exam _____ 20%

A: 90 – 100 D: 60 - 69
B: 80 – 89 F: 59 and below
C: 70 - 79

Make-Up Policy: Students are expected to always be present for major exams. **THERE WILL BE NO MAKE UP EXAMS. NO EXCEPTIONS!!** If you miss a test for **any** reason, you will be assigned a grade of 0. The final exam grade based on 100 can replace one of your lowest unit exam grade if that will improve your grade. Late Written Assessments will not be accepted. Four assessment grades will be dropped at the end of the semester.

Scholastic Dishonesty Policy: Students caught cheating on any assignment, quiz or exam in this course will be assessed an F (or zero) on the particular activity involved for the course. Any student assigned an F (or zero) for cheating has five class days from the time that the assignment, quiz and/or exam is returned to the class to dispute the grade. After five class days, it will be assumed that the student has accepted the grade, and no changes will be made in the grade. Grades received as a penalty for cheating will not be dropped or replaced.

For the purpose of this course, cheating will be defined as (but not limited to) access or use of unauthorized material during exams and quizzes, collaboration between students during exams, quizzes, and assignments for which group work is not allowed, frequent perusal of another student's work during exams and quizzes, unauthorized copying of other student's work or allowing other students to copy your work on any assignment, quiz or exam, and having unauthorized programs or other information stored on calculators when these calculators are accessible during an exam or quiz. **SPECIAL NOTICE:** All pagers and cell phones must be turned **OFF** during any and all tests, assessments, and/or labs. Simply being on "silent" mode is not enough. Therefore, if I see them out, you are considered using them, and therefore cheating.

Attendance Policy: The College District believes that class attendance is essential for student success; therefore, students are required to promptly and regularly attend all their classes. Each class meeting builds the foundation for subsequent class meetings. Without full participation and regular class attendance, students shall find themselves at a severe disadvantage for achieving success in college. Faculty requires students to regularly attend class and will keep a record of attendance from the first day of class and/or the first day the student's name appears on the roster through final examinations. If a student has one week's worth of absences during the semester, he/she will be sent an e-mail by the College requiring the student to contact his/her instructor and schedule a conference immediately to discuss his/her attendance issues. If the student accumulates a total of two weeks' worth of absences, he/she will be administratively withdrawn from class.

The only absences *that will not be counted as an absence* as defined by the College are:

- (1) Observance of religious holy days – Sec. 51,911(b), **Texas Education Code**. *An institution of higher education shall excuse a student attending classes and/or required activities, including examinations, for the observance of a religious holy day. A student whose absence is excused under this section may not be penalized for that absence and shall be allowed to take an examination or complete an assignment.* The student should notify his/her instructor(s) not later than the 15th day of the semester concerning the specific date(s) that the student will be absent for any religious holy day(s); and
- (2) Representing Blinn College at an official institutional function – a student is asked by the institution to be an official representative of the college at any function approved by the institution, the student is excused from any classes missed and must be allowed to complete all work without penalty for that absence(s) in a timely manner as directed by the faculty member.

Students are required to attend classes according to Blinn College policy. The instructor will keep an accurate record of each student's attendance. **Any student who accumulates the equivalent of two weeks absences (4 days for T/R or M/W) will be withdrawn for the course with a grade of W.** If the student fails to turn in a written assessment, the student will be counted absent. If the student has not log in into wileyplus within 7 consecutive days, excluding spring break, then the student will be counted absent. If the student leaves before being dismissed, then the student will be counted absent. If the student is tardy, then it is the student's responsibility to talk to the instructor to see if the absence can be changed as tardy. *Two tardiness will be counted as one absence.*

Accommodations for Students with Disabilities: We would like to help students with disabilities achieve their highest potential in college. To this end, in order to receive accommodations on exams or assignments, students must provide proper documentation of their needs to the Center for Student Development. No accommodations can be made until the student makes an appointment with me during office hours to discuss accommodations, this should be done at least 24 hours before the 1st exam.

Civility Statement: Members of the Blinn College community, which includes faculty, staff and students, are expected to act honestly and responsibly in all aspects of campus life. Blinn College holds all members accountable for their actions and words. Therefore, all members should commit themselves to behave in a manner that recognizes personal respect and demonstrates concern for the personal dignity, rights, and freedoms of every member of the College community, including respect for College property and the physical and intellectual property of others. If a student is asked to leave the classroom because of uncivil behavior, the student may not return to that class until he or she arranges a conference with the instructor: it is the student's responsibility to arrange for this conference. Literature other than the math topics being study will not be allowed.

Sources of help: Tutor Room: M-TR 9:00 AM – 5:30PM L-245

Instructor Office Hours

Learning Center: <http://www.blinn.edu/labs/bryan/index.htm> , L-258

M-TR 7:45 A.M. – 9:30 P.M.

F 7:45 A.M. – 5:00 P.M.

Sat 8:00 A.M. – 3:00 P.M.

Sun 5:30 P.M. – 9:30 P.M.

Tentative Daily Schedule

Date	Week	Topics to be Review and/or questions to be answered:
01-22 F	1	0.5 Rational Expressions 1.5 Quadratic Equations
01-29 F	2	1.6 Polynomial and Rational Inequalities 3.1 Functions
02-05 F	3	3.2 Graphs of functions 3.3 Graphing Techniques
02-12 F	4	3.4 Operations on Functions Exam 1 - 0.5, 1.5, 1.6, 3.1, 3.2, 3.3
02-19 F	5	3.5 One to one and Inverse Functions 4.1 Quadratic Functions
02-26 F	6	4.2 Polynomial Functions 4.3 Dividing Polynomials
03-05 F	7	4.4 Real Zeros Exam 2 – 3.4, 3.5, 4.1, 4.2, 4.3
03-12 F	8	4.6 Rational Functions 5.1 Exponential Functions
03-19 F	9	Spring Break
03-26 F	10	5.2 Logarithmic Functions
04-02 F	11	5.3 Properties of Logarithms 5.4 Exponential and Logarithmic Equations
04-09 F	12	5.4 Exponential and Logarithmic Equations Exam 3 – 4.4, 4.6, 5.1, 5.2, 5.3, 5.4
04-16 F	13	5.5 Exponential and Logarithmic Models 6.1 System of Linear Equations 2 variables
04-23 F	14	7.1 Matrices and System of Linear Equations 7.2 Matrix Algebra
04-30 F	15	TBA Exam 4 - 5.5, 6.1, 7.1,7.2
05-07 F		Comprehensive Final Exam

MTH 1314 Section B5
10:25 A.M. – 11:40 A.M.
<http://edugen.wiley.com/edugen/class/cls158576/>

MTH 1314 Section B4
9:00 A.M. – 10:15 A.M.
<http://edugen.wiley.com/edugen/class/cls158574/>