Del Mar College/Spring 2014

Dept: Mathematics
Course title: College Algebra (Engineering Cohort)
Course number: Math 1314 section 3

Course description from catalogue: Fundamentals of algebra, including inequalities, functions, quadratic equations, exponential and logarithmic functions, systems of equations, determinants, and instructor option of binomial theorem or progressions (or both).

REM levels: R3, E1, M3.
Prerequisite: Satisfactory score on college admission test or Math 0373.

Location of class: VB180
Time: 9:00am-10:20am MW

Instructor: Nader Yassin
Phone: (361) 698-1673 (voice mail)
E-mail: nyassin@delmar.edu
Office: MC125A
Mail Box: MC109
Office hours: 10:20am-11:00am (VB180) Monday & Wednesday
1:20pm-1:50pm (MC125A) Monday & Wednesday
12:20pm-1:40pm (MC 125A) Tuesday & Thursday
Others by appointment only

Grading:
Attendance----------------------5%
Homework(MyMathLab)---15%
Class Participation -----------10%
Best 2 out of 3 exams--------40%
Final Exam---------------------30%

Course Requirements:
1) The student must have the prerequisites necessary for this course prior to enrolling in it.
2) The student must purchase a hardcopy of the textbook along with MyMathLab account (package from bookstore) in order to do their homework. Bundle ISBN is 0321704355. This is the same textbook bundle used in the engineering cohort for Math1316 Trigonometry.
3) The student must buy a TI-Nspire calculator, with interchangeable TI-84 plus touchpad. It will be used in this course. Here is a website that will help the student find where and what to buy:
Note there is an underline between us and nspire.html above.

Policies:
Attendance: An attendance sheet will be passed each class period and it is the student's responsibility to check it before leaving. Tardiness and leaving class early will also count as an absence. Each time the student is absent without a documentation for a valid absence reason, 1 point will be deducted from their final grade average. If a student misses five or more unexcused classes, then the student may be dropped from class.
Homework: The student is expected to complete their homework assignments using MyMathLab account before the assigned deadline for each homework. If a student is having a problem using MyMathLab then he or she should notify the instructor immediately. There will be deduction for each missed assignment.
Course ID: yassin03879
Class Participation: Students are asked to participate on regular basis. This could be done by writing a problem on the board from their assigned homework before the instructor arrives to the classroom. After the instructor discusses the problem the student can check the participation sheet for credit. If the student is handicapped or cannot write on the board then he or she need to consult with the instructor immediately to make other arrangements.
Exams: The best 2 out of 3 exams will be counted for grade. This means that there is NO MAKE UP. All exams will have reviews. A student may use a calculator on the test. A grade of "I" can not be given to the student because of poor performance on the exams.
Final Exam: is comprehensive and will have a review. There is definitely NO MAKE UP for the final.
Supplemental Instructions (SI) Leaders: This course has an SI Leader available to help the students learn the course material and study for exams, Students are encouraged to go to the help sessions that the SI Leader offers on a weekly basis. Extra points may be given for regular participation in these sessions as the instructor will announce in class.

Disability: All disabled students can request help from the Special Services Office located in the Harvin Center here at DMC.
Dishonesty: Academic dishonesty will not be tolerated in any form. A student caught cheating on any test may be dropped from class.

Exemplary Objectives:
1) To apply arithmetic, algebraic, geometric higher-order thinking and statistical methods to modeling and solving real-world situations.
2) To represent and evaluate basic mathematical information verbally, numerically, graphically, and symbolically.

First day of classes of the semester: Jan. 13th 2014.
Last day of class is of the semester: Apr.30th, 2014.
Finals: May 1-7 2014.


Sections Covered
A.11 Complex #s
1 Distance & Midpoint(rect. Coordinates)
3 Slopes/Lines(parallel & perpendicular)
4 Circles
1.1 Functions
1.2 Graphs of Functions
1.3 Properties of Functions
1.4 Library of Functions/Functions defined piece-wise
1.6 Mathematical Models
1.7 Building Mathematical Models using variation
2.1 Properties of Linear Functions
2.3 Quadratic Functions
2.4 Properties of Quadratic Functions
2.5 Inequalities Involving Quadratic Functions
2.6 Building Quadratic Models
2.8 Equations & Inequalities involving the Absolute Value Func.
3.4 Polynomial and Rational Inequalities
4.1 Composite Functions
4.2 One-to-one Functions; Inverse Functions
4.3 Exponential Functions
4.4 Logarithmic Functions
4.5 Properties of Logarithmic Functions
4.6 Logarithmic & Exponential Equations
9.3 The Ellipse
9.4 The Hyperbola
10.2 Systems of Linear Equations; Matrices
10.3 Systems of Linear Equations; Determinants
10.6 Systems of Non-Linear Equations

Math Learning Center : CB 116
Hours: Mon-Thur 8:00am-8:00pm
Fri 8:00am-1:00pm
Sat 10:00am-3:00pm

Honors: This class may be taken under the honors program. To find out how, the student need to consult with the teacher.

Disclaimer: The above rules or policies mentioned in this syllabus could change during the semester without a prior notice.

Peer Tutoring Center(PTC):
The PTC offers drop in tutoring free of charge to all students attending Del Mar College. It is located in East Campus in SC111 and West Campus in ET 114. It provides tutoring in Math, Science, Chemistry and more. Fall and Spring hours are Mon.-Thurs:8am-7pm, Fri 8am-3pm , Sat. 9am-2pm. Phone 698-2259.