Math 140 - College Algebra - Summer 2004

Section: 045-140 AC

Instructor: Dr. George R. Bart
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Email: gbart@ccc.edu
Course Website: http://faculty.ccc.edu/tr-scimath/Math140/

Office Hours: Mon. & Wed., 12:05-12:35 pm ; Tues. & Thur., 12:20- 12:50 pm

Meeting Time: Tues. & Thur., 8:30 am - 12:20 pm in Rooms: 3979 from 6/9 to 6/16
TBA from 6/21 to 7/29
and, occasionally, in 3186, CLEMS, as announced.


Catalog Description: Algebra of real and complex numbers, functions, algebraic and graphical solutions of linear, quadratic and systems of equations. Logarithmic and exponential functions. Additional topics from determinants, sequences, series, the Binomial theorem, Mathematical Induction and elements of Theory of Equations. Writing assignments, as appropriate to the discipline, are part of the course. 4 credit hours.

WAC: Writing Across the Curriculum (WAC) assignments will be required as appropriate to the topics.

Intended Audience: For students majoring in many fields, including health science, business, elementary education, business administration; also for engineering, math and science majors.

Course Objectives: The Course Objectives are listed separately.

Prerequisite: Mathematics 112 or a placement test or consent of chairperson.

Lecture Quizzes: Quizzes will be given frequently except not on days when a major exam is scheduled. Quizzes will be given at the end of class after a short review of the homework at the beginning of the class period. No make-up quizzes will be given; instead the lowest one quiz grade will be dropped. In the event that you miss any quiz, a grade of zero will be entered for it.

Homework: NB: This is your responsibility. Doing homework will enormously increase your changes of success in this class. Homework is assigned weekly and is due prior to the quiz on the lesson(s). It will not be collected but troublesome problems will be discussed. If you miss a class you will need to request any handouts or other material you missed. Homework assignments can be obtained from the course website.
COURSE INFORMATION
Math 140 - College Algebra - DR. BART

TYPES OF ACTIVITIES
Lecture, in class work, student presentations of solved problems, media programs, and computer augmentations.

TEXT COURSE READING & HOMEWORK OUTLINE
The outline of the text course lesson readings and homework is found on the lesson schedule.

ASSIGNMENTS
A standing assignment is to read the current text material and do the homework problems, as stated in the lesson schedule, before coming to class. Additional assignments may be given out at appropriate times. These are to be done at home after you have studied the chapter. If they are to serve their purpose, you should do them alone. Bring them to the next lecture so that we may discuss any points you don’t understand. The weekly assignments provide a check on your studying.

Because you will encounter a large number of definitions in this course that will probably be new to you, I suggest that you keep good notes or at least a vocabulary list of the new words you encounter and their meanings. The notes will be an aid in reviewing for exams. It is important not to get behind on memorizing the meaning of words and concepts new to you. Otherwise, the end of the course will overwhelm you.

EXAMS
There will be two major tests -- a midterm exam and a final exam. In addition there will be several short quizzes. All tests will be announced in advance and will be mostly multiple-choice. Attendance is obligatory for all tests. Tests and quizzes may be taken before the scheduled date by appointment.

GRADING
The final course letter grade will be determined by the following point system. Each question on each exam will count as one point. Your score will be the total number of questions you get right. Based on your total score out of a possible maximum of about 300, a letter grade will be assigned by a scheme that will closely resemble the following:
F = less than 55%, D = 55 - 64%, C = 65 - 74%, B = 75 - 84%, and A = 85% or above. See below.

The final exam and midterm exam will each have about 70 to 80 questions. In total the quizzes will have about 120 questions of which about 100 questions will count. Thus, the midterm and the final exam will each approximately count 30% and the quizzes will each count about 8%.

ATTENDANCE
A student with more than 2 absences and a current test average below D will be given an automatic F. A missed test of any kind will be scored zero. **No make-ups will be allowed for missed quizzes!** A make-up test for a missed hour exam may be allowed, depending on a serious excuse and a promptly made appointment with the teacher.

MATHEMATICS 140 POINTS GRADING

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<thead>
<tr>
<th>GRADE/%</th>
<th>140 CLASS POINTS (Estimated)</th>
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<tbody>
<tr>
<td>100</td>
<td>250</td>
</tr>
<tr>
<td>A</td>
<td>212</td>
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<tr>
<td>85</td>
<td>187</td>
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<td>B</td>
<td>162</td>
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<td>C</td>
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<td>65</td>
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<tr>
<td>D</td>
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Quiz questions =1 point each on 5 high Quizzes => 100 max
Test questions = 1 point each on 2 Tests => 140-160 max