Math 230 - 28275
Elementary and Intermediate Algebra for Business and STEM
MW 9:00 – 11:50am, Spring 2018

Instructors: Kelly Pernell (Monday) and Arash Farahmand (Wednesday)
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Farahmand's Office Hours: M 5:30 - 6pm, W 1:50 – 3:20pm, Rm 355
Pernell's Office Hours: MW 1:30 – 2:30pm, TuTh 9 – 9:55am, Rm 353
M – Th 15 minutes after class in classroom, Rm 321
Faculty Website: http://www.berkeleycitycollege.edu/wp/kpernell
Online Classroom Website: http://www.mymathlab.com
MyMathLab Course ID: PERNELL14829

Course Description

This is a combined course in algebra. Topics to be covered include: systems of equations: inequalities, graphs and functions; radicals, quadratic polynomials, rational expressions; exponential and logarithmic functions, and problem solving, with emphasis on knowledge skills appropriate for students pursuing a major in STEM (Science, Technology, Engineering, Mathematics) or Business.

Student Learning Outcomes (SLOs)

Representation: Represent relevant information in various mathematical or algorithmic forms.

Calculation: Calculate accurately and comprehensively.

Interpretation: Interpret information presented in mathematical or algorithmic forms.

Application/Analysis: Draw appropriate conclusions based on the quantitative analysis of data, while recognizing the limits of this analysis.

Communication: Explain quantitative evidence and analysis.

Required Materials

- **MyMathLab Access Code (includes e-text)** *(Course ID:* PERNELL 14829) *There is no need to purchase an access code for this section of Math 230. One will be provided to you in-class!*
- **Scientific Calculator** You will be required to have a scientific calculator for some of the topics in this course. You will be allowed to use a scientific calculator on some of the quizzes and exams throughout the semester. *You will not be allowed to use a cell phone calculator on any of the quizzes or exams.*
- **Headphones** You will have opportunities in class to start the next night's homework assignments. Many assignments contain videos. If you want to work on these assignments in class, you will need (and want) to use a set of headphones (standard connection for laptop and mobile devices).
- **Other Materials** A notebook for notes and a 3-ring binder or folder with pockets and extra paper are highly recommended, along with pens/pencils, erasers, and graph paper.

Optional Materials

- ***Physical Textbook:*** *Elementary and Intermediate Algebra, 4th ed. Sullivan, Struve, and Mazzarella.* ISBN-13: 9780134556079

Attendance Policy

If you miss class at all during the first two weeks, you MUST contact one of your instructors for this course! Students who miss more than one class during the first two weeks (without contacting us with a legitimate excuse) may be dropped from the course.

Students who miss more than two weeks of classes (4 class periods) may be dropped from the course. If you do miss a class, it is your responsibility to get the day's notes from a classmate.

Course Components and Grading Policy

- **MyMathLab Homework (15%)** The majority of your homework will be done online through the software package *MyMathLab.* This is a required online learning tool. The software package contains an e-text and other helpful resources including individualized study plans and practice tests. You should expect to spend approximately 12 hours a week studying or doing homework for this course.

  Late Homework Please stay on top of your homework assignments. You will have them throughout the week.

  All assignments are locked after their due dates. Furthermore, within each chapter, you must earn an 80% or higher on a homework assignment before you can access the next assignment.

  If you miss a due date without earning 85% or higher, you need to contact or speak with one of your instructors to request access to continue working.

- **In-Class Activities (5%)** There will be daily in-class activities for which you will be expected to participate. You will be graded on participation only, not your performance or success on math concepts.
- **Quizzes (20%)** There will be a number of online quizzes in MyMathLab throughout semester. Please note the due dates for quizzes. You may retake the quizzes as often as you like (before the due date) to increase your score. The system will only count your highest attempt in your overall course grade. At the end of the course, we will drop your lowest quiz score.
- **Exams (40%)** There are five exams during the semester. They will be offline, paper-based exams. Each exam will cover 2 chapters. **NO Make-up exams.** Your lowest exam grade will be dropped when calculating your overall course grade.

  Tentative Exam Dates:
  Exam 1 (Ch 2&3): Wednesday, February 14
  Exam 2 (Ch 4&5): Wednesday, February 28
  Exam 3 (Ch 6&7): Monday, March 19
  Exam 4 (Ch 8&9): Monday, April 23
  Exam 5 (Ch 10&11): Wednesday, May 9
- **Final Exam (20%):** The final exam will be cumulative and is scheduled for Monday, May 21, 2018, 9:00 – 11:00 AM.
- **Grading Scale:** This course will follow the college's standard grading scale: A 90 – 100%, B 80 – 89%, C 70 – 79%, D 60 – 69%, F 0 – 59%.

Learning Resources

The best way to learn the material is to regularly attend class and DO YOUR HOMEWORK.
Tutoring is available in BCC's Learning Resources Center. The LRC is located on the first floor in room 112.
Please come to my office hours if you have specific questions that cannot be fully addressed in class.

Academic Integrity

You are expected to do your own homework. It is the best way for you to prepare for exams.

Cheating is a very serious offense that we will not tolerate. If you are caught cheating on an exam, you will receive a grade of 0% for that exam, and you will lose all Participation points. We will also drop your overall course grade by 10%. In other words, *no one caught or involved in cheating will earn an A in the course.*

Both, or all, parties involved in a cheating incident will be charged.

Disability Statement

Berkeley City College is committed to providing reasonable accommodations for all individuals with disabilities. This syllabus and the course materials are available in alternate formats upon request. If you have a disability that may have some impact on your work in this class and for which you may need accommodations, please see a staff member in Programs & Services for Students with Disabilities (PSSD) to request accommodations. For students who receive accommodation letters, please meet with me to discuss academic arrangements as early in the term as possible. PSSD assistance can be found in Room 261 of the Main Berkeley City College campus or by phone at (510) 981-2812 or 2813.

Tips for Course Success

- Regularly go to the course website to check announcements. Complete your homework on time.
- Come to class prepared with materials, assignments and questions.
- Bring a calculator to class every day. You will need it for your in-class activities.
- Offer input during discussion and listen attentively when others are contributing.
- Do not hesitate to ask questions in class.
- Read the textbook sections.
- Interact with the instructor and other students in class.
- Seek help outside of class when necessary.
- Complete in-class and out-of-class assignments.
- If you are having difficulty with material in class, come and talk to me before or after class. I will be more than happy to work with you.
- Students may need to do additional problems from the textbook on their own to master the course.