

Math 1 – Pre-calculus

Peralta Class Code 25481 and 25394

Spring 2014

Berkeley City College

Class Location: Online at <http://www.pearsonmylabandmastering.com/>

CourseID: pernell60411

Instructor: Kelly Pernell

Office Hours: Tuesday nights 7:30 – 8:30pm US PST (11:30am – 12:30pm, Seoul Korea), Moodle site

Contact Info: kpernell@peralta.edu

Faculty Web site: <http://www.berkeleycitycollege.edu/wp/kpernell>

Moodle site: <http://eperalta.org/spring2014/>

Textbook and Required Materials

To access the course site, you will need to purchase a MyMathLab access code. You can purchase an access code during the student registration process at the course site <http://www.pearsonmylabandmastering.com>. This is the fastest, most efficient way to purchase access.

Alternatively, you may search online at various outlets like amazon.com for the following:

MyMathLab -- Standalone Access Card, 4/E, Pearson Education
ISBN-10: 032119991X • ISBN-13: 9780321199911

Sometimes you can find a less expensive price with another online vendor. However, you must wait for shipping, so I *strongly* advise you purchase access right away through the online registration.

MyMathLab online contains an electronic version of the textbook used to present the course material. Students can access the e-textbook by clicking on the Chapter Contents button on the left side of the MyMathLab class site.

You are not required to purchase a hard copy of the textbook. However, if you would like to purchase a hard copy of the text, here is the book information:

Precalculus, Ninth Edition
by Sullivan
Pearson Education, Prentice Hall
ISBN-13: 978-0-321-71683-5

Topics from Chapters 1 – 11 will be covered.

You will need a non-graphing scientific calculator that can do trigonometric and logarithmic calculations.

Online Student Registration

On my faculty website and the class Moodle site, I posted a PDF of general instructions for enrolling in the online class site at <http://www.pearsonmylabandmastering.com/>. During the student registration process you will need the CourseID for the class: Pernell60411, a MyMathLab access code or credit card to purchase one during registration, and the zip code of Berkeley City College – 94704.

Please contact me as soon as possible if you have issues signing into the class site. I strongly encourage you to establish access to the course site no later than day 3 of the course. Your first homework assignments are due March 31st just in case you need a few days to establish access.

Course Schedule

Please review the tentative calendar/schedule of topics provided inside the MyMathLab course Web site.

To be successful in this course, most of you should spend about 18 - 20 hours per week studying the e-textbook, doing interactive media activities, and completing online homework exercises, quizzes, and tests.

Some of you may need *more* or *less* time to do well. Please determine what type of mathematics learner you are and study accordingly. For a typical semester long course, students are expected to spend about 12 hours per week. This is a short-term course, so you will need to dedicate a bit more time to learn the material.

Approximately 4 – 5 homework assignments, one quiz, and one test are due each week.

Each chapter is divided into sections. For each section, I encourage you all to first read the eTextbook under the Chapter Contents section of the MyMathLab course site. Then watch the video lecture inside homework assignment for the section. Open and review the Powerpoint presentation. If the assignment has any interactive media activities, do them as well. Then work on homework problems. If you have trouble on a problem, skip to the

next one. Save your work and return later to work on the more difficult problems.

I will stay in contact with you via the Announcement section, my faculty web site and Moodle. I will likely add forum discussions inside the Moodle shell for the course so we can hold class discussions on concepts people may be having trouble with. You are encouraged to participate, especially if you have questions.

Tips: Study a little bit each day. Try to complete a section of homework each day. Some sections are challenging. You may need an extra day or two to finish it. Make sure to do all of the problems you can as soon as learn the material from the etext, videos, and other practice exercises.

Never go more than three days without doing any work in this course. If you stop working consistently, you will quickly fall behind and may not be able to finish the course in time.

Grading Policy

A: 90 – 100%; B: 80 – 89%; C: 70 – 79%; D: 60 – 69%; F: 0 – 59%

Your course grade is based on in-class exams, homework verification activities, and participation. The percentage breakdown for each component is as follows:

Homework	25%
Quizzes	15%
Tests	40%
Final Exam	20%

I will drop one quiz and one test before calculating your course grade. The lowest scores of each will be dropped.

Homework

Homework is worth 25% of your course grade. Please note the due dates for each section homework assignment.

You are allowed to work on every homework assignment after the due date. However, a penalty of 5% per day will be deducted from past due assignments. Problems of a homework assignment that are completed before the assignment is due will not receive the 5% per day penalty.

Exam questions will be similar to homework problems. Doing the homework assignments will help complete this mastery.

Please use the *Show Me an Example* and *Help me Solve It* buttons on problems that have these learning tools available. You will get sample problems and all written steps that will help you solve the problem you are working on. Please email me if you have specific questions. I encourage you to work with classmates on homework.

Each homework assignment contains links to a lecture video and a powerpoint presentation. Some homework assignments contain other interactive media activities to aide your learning. You earn one point of credit for each media link you open in a homework assignment. If you fall behind, you can improve your course grade very quickly by watching the videos, opening and reading the powerpoint presentations, and opening the interactive activities.

Tip: *Save and organize your written calculations on paper in a binder or ringed notebook. Organized notes and homework assignments will help you study and prepare for quizzes and exams.*

Quizzes

Quizzes are worth 15% of your course grade. For each quiz, you are allowed three chances to earn your highest score. The highest score from each quiz will be used to determine your quiz grade. The lowest quiz score among this list will be dropped.

You are not required to take a quiz three times. You just need to take each quiz at least once. You have the option of taking the quiz up to two more times to improve your score.

You will *not* be permitted to take a quiz after the due date.

You will be able to pause a quiz, save your work, and return to it later. You will not be able to return to the problems you saved before pausing the quiz. Be sure to finish any problem you view while in the quiz before saving for later. Do not submit the quiz until you have answered all problems.

You are given 90 minutes to complete each quiz.

Tip: *Take notes and save the work you do on quizzes. They are very similar to the tests and will prepare you well.*

Tests

Tests are worth 40% of your course grade. These are the chapter post-tests that are due two days after their respective chapter quizzes are due.

Please note that you before you can take a chapter post-test, you must make at least one attempt on its chapter quiz. The chapter quizzes are very similar to the chapter post-tests, so they will prepare you well for the tests.

You are given 90 minutes for complete each chapter-test. You are only allowed to take chapter tests ONCE. Please use the quizzes to prepare well for each chapter exam.

Unlike quizzes, you are not permitted to save your work and return to the test. You must complete all problems on the test once you start. Your Browser will also be locked to prevent you from referring to other sites or the online textbook while taking the exam.

If you leave the test before pressing the Submit button, you will be blocked from finishing it. You will have to email me to restore your access. You will have to explain why you lost access. Please avoid getting locked out of the tests. I will not allow repeated requests to re-open tests.

You will not be able take a chapter test after its due date.

Tip: *Take notes while taking the tests. Save your work in a separate binder. Use your work as a study guide for the Final Exam.*

Final Exam

The Final Exam is worth 20% of your course grade. It is a comprehensive exam that covers all topics in the course.

This exam will be online inside MyMathLab. However, this exam must be proctored.

For students taking the course from South Korea, please schedule a two-hour time period with your test proctor on or before May 30, 2014. Please have the proctor email me the time of the exam. I will open the exam in MyMathLab during that time.

For students local to Berkeley City College, I will schedule a computer lab at BCC on the last day of the course, May 30, 2014. I will open the exam in MyMathLab for students who attend the scheduled Final Exam time. I will make an announcement to the class when the location and time have been set. Please bring a Photo ID with you to the exam.

For students outside the area, please locate a test proctoring center in your area. Send me the contact info of the official test proctor. I will make arrangements to open the Final Exam to you at your scheduled test proctoring time. Local libraries, community colleges, and state universities often offer testing proctoring services.

Student Learning Outcomes

Upon completion of this course, students will:

1. Formulate real world applications using mathematical techniques.
2. Solve rational and absolute value inequalities.
3. Solve polynomial, rational, exponential, logarithmic, and trigonometric functions.
4. Graph polynomial, rational, exponential, logarithmic, and trigonometric functions.
5. Determine inverse functions.
6. Solve simultaneous linear and nonlinear equations.
7. Graph relations using Cartesian and Polar coordinates.

Justification for the Course:

Satisfies the General Education and Analytical Thinking requirement for Associate Degrees. Provides foundation for more advanced study in mathematics and related fields. Satisfies the Quantitative Reasoning component required for transfer to UC, CSUC, and some independent four-year institutions. Acceptable for credit: CSU, UC.