

Math B1a: Precalculus I
Syllabus – Fall 2011

Instructor: Kurt Klopstein

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Phone 395-4624

Lectures:

(75313) MW 9:35-10:25 / TR 9:35-10:40

(75312) MW 1:00-1:50 / TR 1:00-2:05

(75311) MW 2:35-3:30 / TR 2:35-3:40

Office: LA 106

Website: www2.bakersfieldcollege.edu/kklopstein

Office Hours:

MTWR 12:15-1 / MW 2-2:30 / TR 2:05-2:35

Weill Institute – Rm 103

LA 107B

LA 107B

Prerequisites: A grade of “C” or better in Math BD or equivalent placement.

Text: Precalculus by Cohen, 7th edition.

Other Supplies: A scientific calculator. Graphing calculators and cell phones used as calculators are NOT ALLOWED on any quiz, projects, or exams. Also you will need a 3 ring binder to organize your work in.

Students are required to purchase and use **WEBASSIGN** for this course. You will need a key number from your instructor – which will be given to you on the first day of lecture.

We will also be using a powerful software tool called **MAPLE**. Maple is a tool that you will be able to use well beyond your academic years. Although not required to purchase this software, it is available to you online at a reduced academic price. If interest, I will give you the information on how to acquire Maple.

Pencil:

All work to be turned-in must be done in Pencil. Work done in ink will **NOT** be accepted. This includes homework, quizzes, group activities, and exams.

REMARK: Avoid excessive chattering during the class and please turn off you cell phones during class. If for some reason you forget to turn off your cell phone and someone calls, please do not answer phone calls during lecture – not even to go outside class to answer the call. Answering any calls during an exam or quiz will result in a 0 score for that assignment. If there is an emergency reason you need your cell phone on then talk to me prior to class so that I am alert to the situation.

Attendance & Participation: Regular attendance is essential to succeed in this course. Lectures will help in your understanding of the course material and will help show you what you are responsible for. You should take lecture notes and come to class prepared with any questions. Please keep a notebook and organize all course material.

Partial lecture notes will be available on the class webpage. These notes will be posted at the end of the prior week and should be printed out or copied before relevant lectures (THIS IS REQUIRED).

Attendance will be taken for every lecture up to the last day to withdrawal (October 31). If for some reason you miss class, you are responsible to obtain the information from your classmates what you missed. Contacts from the class should be made prior to missing a class.

You may be dropped from the course for any of the following reasons.

- **You are absent for two or more weeks of classes (total of 8 days) prior to the last day to withdrawal (October 31, 2011).**
- **Lack of academic progress shown by an overall percentage in the course below 40% on September 19, 2011 (Last day to withdrawal without receiving a W).**
- **Lack of academic progress shown by an overall percentage in the course below 60% on October 31, 2011 (Last day to withdrawal with a W)**

Student Learning Outcomes:

1. The student will become proficient in defining and developing the concept of “function”, including domain range, graph, inverse, and algebra of functions (addition, subtraction, multiplication, division, composition).
2. Techniques of graphing polynomials, rational, exponential, and logarithmic functions, using intercepts, asymptotes, multiplicity, symmetry, translations, and reflections.
3. Solve exponential and logarithmic equations and their applications.
4. Solve a system of non – linear equations and inequalities, by graphing and algebraic methods.
5. Apply the Fundamental Theorem of Algebra and its consequences. Determine the possibilities for rational roots of polynomial equation, and obtain information about the number of positive, negative, complex roots.
6. Solve systems of linear equations and partial fraction decomposition.

Homework: You will be given both online and offline homework. The online homework will be using a software called Webassign. More details will be given on the first day of lecture. You will also be given homework assigned in lecture that will require relative work to be shown. Lecture time does not allow much time for homework questions. Please use tutorials, office hours, and each other to help learn the homework. I strongly recommend working in groups outside of class.

Quizzes & Projects: The class will consist of quizzes and Projects. These will come in many forms which include review exercises, group problems, online through Webassign, and take-home work. Quizzes are exercises that take 5 to 10 minutes and are worth 10 points each when collected. Projects that are collected are worth 20 points each.

You will be required to print (or copy) some quizzes and projects from our webpage to this class. These will be announced during lecture time.

Not all quizzes and Projects are turned-in. Please only turn in what is asked by the teacher. At least one low scoring quiz and one low Project will be disregarded in considering your grade. You will need to be present when these assignments are collected.

Keep all work organized because along with the homework, this will be a guide to the expectations of the class and will be useful material to review for exams.

Exams: There will be 6 exams and a final. Confirmation of exams will be given at least one week in advance. At the end of session, if your final exam percentage is higher than your lowest exam score, than the lowest exam score will be replaced by the final exam score.

Exam #	Material Covered
1	Chapters 1 & 2
2	Chapter 3
3	Chapter 4
4	Chapter 5
5	Chapter 11
6	Chapter 13

(Check homework assignments to see what sections are relative for the exams. You will also want to check your notes, homework, quizzes and projects)

(Note: The number of exams and what each covers is SUBJECT TO CHANGE)

Final exam is cumulative and must be taken to pass the class. **No late or early exams will be given.** You must take the final exam for the class you are enrolled.

Lecture	Final Exam
M-R 9:35	Monday, December 5 from 10:00 – 11:50
M-R 1:00	Wednesday, December 7 from noon – 1:50
M-R 2:35	Monday, December 5 from 2:00 – 3:50

Late Assignments and Make-up work: Late assignments and make-up work, such as exams, are not accepted unless a prior arrangement is made by the student with me. I have NO OBLIGATION to allow any late or missed work. Late work that is accepted is subject to deduction of points. This includes homework, that may have been turned-in on time but was returned and not graded due to not being properly turn-in (non-essential pages attached, sections not labeled or not in proper order). Please feel free to discuss options at any time.

Grade Distribution:

Class Grade:

Online Homework	5%	90-100%	A
Offline hw, Quizzes & Projects	10%	80-89%	B
Exams	60%	70-79%	C
Final	25%	60-69%	D
		Below 59%	F

Important Dates:

8/22/11	Instruction Begins
9/5/11	Labor Day – Holiday
9/19/11	Last day to withdrawal form semester length classes without receiving “W”.
10/31/11	Last day to withdrawal form semester length classes and receive “W”.
11/11/11	Veterans Day - Holiday
11/23/11	Classes Held at 5:30PM or cancelled (We will have class on this day!)
11/24 – 11/25	Thanksgiving Holiday
12/3 – 12/9	Final Exams

Cheating:

There will be a zero tolerance policy on cheating. A first offence will result in a zero for that assignment/quiz/exam and possibly mention on their permanent record. A second offense will receive more drastic measures with a possibility of failing the course. Calculators are subject to review before, during, and after any examinations.

Accommodations:

Students with disabilities who believe they may need accommodations in this class are encouraged to contact Disabled Student Programs & Services located at Student Services Building, 1st Floor, Counseling Center (661-395-4334), as soon as possible to better ensure such accommodations are implemented in a timely fashion.