Math C131  
Business Calculus

Instructor: Dean Bernsten  
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Course Time: Online  
Classroom: Online  
Office: LRC 704A  
Office Hours: None.  
Office Phone: 384-6322  
Course ID: bernsten00549

Course Objectives  
As per the Cerro Coso Community College Associate Degree Course Outline, dated April, 2008 the student will be prepared to:

1. Recognize and graph functions. This outcome will be assessed and scored by exam.
2. Understand applications of rates of change. This outcome will be assessed and scored by exam.
3. Solve systems of linear equations. This outcome will be assessed and scored by exam.
4. Use exponential and logarithmic equations and relate them to business and economic models. This outcome will be assessed and scored by exam.
5. Take derivatives of functions and apply these derivatives to business problems. This outcome will be assessed and scored by exam.
6. Interpret a "word problem" and utilize the concepts of maximization, rates of change, demand, consumer and producer surplus, and elasticity. This outcome will be assessed and scored by exam.
7. Find the maximum and minimum in more than two variables by the second derivative test and LaGrange Multipliers. This outcome will be assessed and scored by exam.

Text Options  
Option 1:  
Buy the text and Course Access Code packaged together from a vendor of your choice.  
Calculus and Its Applications, 9/E, Marvin L. Bittinger, David J. Ellenbogen,  
ISBN-10: 0321395344  
OR  
Buy the text and Course Access Code packaged together by going to the Cerro Coso Book Nook.  
Calculus and Its Applications, 9/E, Marvin L. Bittinger, David J. Ellenbogen,  
ISBN-10: 0321395344  
Remember that the CourseID is bernsten00549.

Option 2: (Most Highly Recommended)  
Buy only the Course Access Code by following this link.  
http://www.coursecompass.com/website/student_register.html  
The text comes in online form this way.  
Remember that the CourseID is bernsten00549.
Option 3:
Buy the text from a vendor of your choice.
*Calculus and Its Applications, 9/E*, Marvin L. Bittinger, David J. Ellenbogen,
ISBN-10: 0321395344
Buy the Course Access Code by following this link.
http://www.coursecompass.com/website/student_register.html
Remember that the CourseID is bernsten00549.

**Disclaimers and Recommendations**

**Disclaimers:**
1. CourseCompass is supported by MS Windows. The most recent versions of MS Windows are recommended.
2. CourseCompass may be supported by Mac operating systems. Several Mac users have had poor CourseCompass performance on their Macs.
3. Cerro Coso is not responsible for CourseCompass's performance on your personal computer, no matter which operating system you use.
4. CourseCompass works best with either MS Internet Explorer or Netscape Navigator web browsers.
5. Cerro Coso is not responsible for CourseCompass's performance on your personal computer, no matter which web browser you use.

**Recommendations:**
1. Cerro Coso recommends that you take one of its online math classes only if you have high-speed internet access.
2. Cerro Coso recommends against that you take one of its online math classes if you have dial-up modem internet access.
3. Cerro Coso is not responsible for CourseCompass's performance no matter which internet access method you use.

**CourseCompass Technical Support**
For any technical assistance please call the CourseCompass Technical Support staff at 1 (800) 677-6337.

**Calculator**
I highly recommend that you obtain either the TI83+ or TI84+ calculator.

**Homework**
This is a homework intensive course! This course covers forty-one sections of the text, and homework will be assigned for each of these sections. Homework assignment point values vary, based on the number of problems contained in each assignment. There are a maximum of 600 adjusted homework points possible. All forty-one homework assignments have been enabled. These are not timed assignments, but they have due dates. Once the due date elapses for a particular assignment, the student will no longer be able to work on it. Please see the DO HOMEWORK section in CourseCompass for a list of due dates.

**Late Homework Policy**
I accept no late homework.
Question: Does Dean accept late homework?
Answer: No.
Exams
There will be six exams. Each exam has a maximum value of 100 points, and covers one chapter of the text. *None of the exams will be cumulative*. Unless otherwise stated, all of the exams are closed-book and closed-notes. Each exam is 180 minutes long.

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Exam Date Deadline</th>
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<tbody>
<tr>
<td>Chapter 1 Exam</td>
<td>No later than February 3, 2010, 11:59 PM.</td>
</tr>
<tr>
<td>Chapter 2 Exam</td>
<td>No later than February 19, 2010, 11:59 PM.</td>
</tr>
<tr>
<td>Chapter 3 Exam</td>
<td>No later than March 10, 2010, 11:59 PM.</td>
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<tr>
<td>Chapter 4 Exam</td>
<td>No later than April 2, 2010, 11:59 PM.</td>
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<tr>
<td>Chapter 5 Exam</td>
<td>No later than April 21, 2010, 11:59 PM.</td>
</tr>
<tr>
<td>Chapter 6 Exam</td>
<td>No later than May 7, 2010, 11:59 PM.</td>
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</tbody>
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Late Exam Policy
You may take at most one exam late. You must make up that exam no more than one week after its original administration. You may not take Exam 6 late.

Course Grading
Grading is based on your exam and homework performances. Since the six exams have a total maximum adjusted value of 600 points, and the forty-one homework assignments have a total maximum adjusted value of 600 points, the maximum obtainable points for this course are 1200. *I issue no Incomplete, "I" grades!*

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

The Curve
*I do not grade on a curve.*

Instructor Availability
I am available online Monday through Friday. Do not expect a response to your questions on Saturdays or Sundays.

Disability Accommodations
If you have a disability which may require classroom or test accommodations, please contact Special Services - Disabled Student Program and Services (DSPS) in Room Main Bldg 312 or call 760-384-6250. You will need to provide written documentation of your disability. If you think you have a disability but currently have no documentation, DSPS may be able to help you. All information will be kept confidential. This document is available in alternate format upon request.

Enrollment
1. It is the student’s responsibility to withdraw from courses prior to the 10% date (February 1, 2010) of their enrolled classes to qualify for a refund. It is further their responsibility to apply to receive their refund; otherwise the credit will stay on their account.
2. It is the student’s responsibility to withdraw from courses prior to the 30% date (February 19, 2010) of the enrolled course in order to not have a ‘W’ on their permanent record.*
3. It is the student’s responsibility to withdraw from courses prior to the 60% date (April 5, 2010) to receive a ‘W’ and not receive a substandard grade on their permanent record.*
**Enrollment** (continued)

*While it is the final responsibility of the student to drop a class that she/he is no longer attending, instructors may at their discretion drop students without consultation with the student when unexcused absences number the equivalent of two weeks or exceed 10% of the total hours of class sessions, up to the 10th week of the semester or the 60% date of the enrolled course. No student may be dropped from any class after the 10th week. Students will be assigned the appropriate letter grade.*

**Academic Integrity**

As per the Kern Community College District Board Policy Manual, cheating is defined as follows.

**Definition of Cheating**—Cheating is defined as the act of obtaining, or attempting to obtain, or aiding another to obtain academic credit for work by the use of any dishonest, deceptive, or fraudulent means. Examples of cheating during an exam include, but are not limited to, the following: copying, either in part or in whole, from another's exam; discussion of answers or ideas relating to the answers on an exam unless such discussion is specifically authorized by the instructor; giving or receiving copies of an exam without the permission of the instructor; using or displaying notes, "cheat sheets," or other information or devices inappropriate to the prescribed exam conditions, as when a test of competence includes a test of unassisted recall of information, skill, or procedure; allowing someone other than the officially enrolled student to represent the same. Also included are plagiarism as defined and altering or interfering with the grading procedures. It is often appropriate for students to study together or to work in teams on projects. However, such students should be careful to avoid the use of unauthorized assistance, and to avoid any implication of cheating, by such means as sitting apart from one another in examinations, presenting the work in a manner which clearly indicates the effort of each individual, or such other method as is appropriate to the particular course.

If it is discovered that a student is cheating on either the exams, homework assignments, or tutorials, then action will be taken against that student, as outlined in the Kern Community College District Board Policy Manual.

**Discussion and Email**

A discussion board is provided on this site. Discussion is encouraged, but not required. The primary means of teacher-student, and student-student interaction is discussion board and email. I most seriously expect every person in this class, including myself, to conduct themselves in a civilized, mature, and respectful manner when using these media. Abusive discourse directed at any student or myself will not be tolerated and swiftly dealt with, as outlined by the Kern Community College District Board Policy Manual.