Basic Course Information

Semester	Fall 2014	Instructor's Name	Caroline Bennett
Course Title & #	Math 192: Calculus I	Instructor's Email	caroline.bennett@imperial.edu
CRN #	10441	Webpage	
Room	Building 2700; Room 2725	Office	2501 (Math Lab)
Class Dates	8/18/14 – 12/10/14	Office Hours	By appointment
Class Days	Monday / Wednesday	Office Phone #	(760) 355 – 6160
Class Times	6:30 – 9:00 pm	Who students should contact if emergency	(760) 355 – 6155
Units	5.0	or other absence	(760) 355 – 6201

Course Description

Concepts dealing with limits, continuity, differentiation and applications, integration and applications, exponential and logarithmic functions, and other transcendental functions will be covered.

Student Learning Outcomes

1. Be able to use substitution to find the anti-derivative of a composite function. (ILO2)
2. Demonstrate ability to anti-differentiate simple functions (ILO2)
3. Be able to set up and solve optimization problems of a single variable. (ILO1, ILO2, ILO4)
4. Be able to compute limits for simple functions. (ILO2)
5. Be able to apply the chain rule for a function of a single variable. (ILO2)

Course Objectives

1. Demonstrate skills in understanding the concept of limit and be knowledgeable in finding limits.
2. Demonstrate an understanding and a working knowledge of the derivative.
3. Demonstrate proficiency in problem solving when dealing with applications of differentiation.
4. Demonstrate knowledge in anti-differentiation.
5. Demonstrate an understanding and a working knowledge of the definite integral.
6. Demonstrate a thorough understanding of logarithmic and exponential functions, and their use in applications dealing primarily with growth and decay phenomena.
7. Demonstrate the ability to deal with trigonometric, inverse trigonometric and hyperbolic functions and many common applications thereof.

Textbooks & Other Materials

Larson, R., Hostetler, R. and Edwards, B. (2014). Calculus (10th/e). Brooks/Cole. ISBN: 978-1285057095

CALCULATORS: A scientific or graphing calculator is recommended. Calculators that perform symbolic manipulation, differentiation, and integration (such as the TI-89, TI-92, etc.) will NOT be permitted during exams. Also, you may not use your cell phone as a calculator on tests.

Course Requirements and Instructional Methods

HOMEWORK that is collected will be given in the form of a typed problem set that will be available on Blackboard. Collected homework may be worked on individually, or in groups of up to 3 students (all students in a group receive the same score). Problems from the textbook will also be assigned, but book homework is not collected. Practice problems from the textbook are intended to help you understand the material and perform better on tests. If you struggle with the material, here are some tips:

1) Form a study group and work homework problems together with classmates.
   The Math Lab is a good place to study and work together with classmates.

2) If there is a particular homework problem you would really like to see in class, ask me
   before or at the beginning of class. I will try to accommodate requests if there is time;
   if there is not sufficient time, we can arrange to meet after or outside of class for help.

3) Take advantage of the free tutoring resources on campus (see last page for details).

EXAMS AND QUIZZES closely reflect the material covered in class and on the homework. A tentative exam schedule is provided in this syllabus; however, exam dates (with the exception of the final exam) may be subject to change, in accordance with the pace of the class. If an exam date is changed, you will be notified sufficiently in advance, both in class and by email. Quiz dates will be announced in class and on Blackboard.

MAKE-UPS: There are no make-up exams. Do not miss a scheduled exam. There are also no "dropped" exam scores. Your lowest exam grade may be replaced by your final exam grade, if that improves your overall grade.

OUT OF CLASS ASSIGNMENTS: The Department of Education policy states that one (1) credit hour is the amount of student work that reasonably approximates not less than one hour of class time and two (2) hours of out-of-class time per week over the span of a semester. The Western Association of Schools and Colleges (WASC) has adopted a similar requirement. **Since this is a 5 unit class, this means that you should expect and plan for a minimum of 10 hours to be spent working on Calculus *outside of class* each week.**

Course Grading Based on Course Objectives

EVALUATION:			**GRADING SCALE**	
Quizzes	150		900 – 1000	A
Homework/Projects	150		800 – 899	B
In-class work	50		700 – 799	C
3 exams x 150 points each	450		600 – 699	D
Final Exam (cumulative)	+ 200		Below 600	F
	1000			

The grade that is earned, according to the point scale above, is the grade that will be received. Grades are not subjective. Grades are not negotiable. All students will be treated equally.

NOTE: The final exam in this course is cumulative and mandatory for all students.

Attendance

- A student who fails to attend the first meeting of a class or does not complete the first mandatory activity of an online class will be dropped by the instructor as of the first official meeting of that class. Should readmission be desired, the student's status will be the same as that of any other student who desires to add a class. It is the student's responsibility to drop or officially withdraw from the class. See General Catalog for details.
- Regular attendance in all classes is expected of all students. A student whose continuous, unexcused absences exceed the number of hours the class is scheduled to meet per week may be dropped. For online courses, students who fail to complete required activities for two consecutive weeks may be considered to have excessive absences and may be dropped.
- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as 'excused' absences.

Any in-class activities or worksheets that are missed due to an absence CANNOT be made up. Furthermore, on quizzes and exams you are responsible for all material covered in class, regardless of whether or not you were here. Therefore, if you do miss class, you should obtain any missed worksheets or other materials from the instructor, and obtain lecture notes from a classmate.

Attendance is crucial to your success in this course. You are expected to attend every class and **remain during the entire class. Leaving class early without prior consent from the instructor counts as an absence,** and costs points.

Although you may be dropped for excessive absences, you should never *assume* the instructor has dropped you if you simply stop showing up. It is your responsibility to ensure that you have dropped through WebSTAR by the deadline (November 8, 2014) to receive a "W" instead of a failing grade.

Classroom Etiquette

School is place to act with respect. Remember that different students have different paces and styles of learning, and that all students have the right to ask questions in class. As a student, you have the right to a safe and comfortable learning environment. You do not have the right to impinge on other students' learning. Talking or other disruptive classroom behavior WILL affect your grade.

Students who disrupt or interfere with a class may be sent out of the room and required to meet with the Campus Disciplinary Officer before returning to continue with coursework. For further information, refer to the Standards of Student Conduct on pages 41-42 of the 2014-2015 General Catalog.

Class work points:
- You don't receive points for attending class or lose points for missing class. However, several in-class activities will be worth points which you can only receive if you are in class that day. Any activities you miss by being absent CANNOT be "made up".

- Unlike exam points and homework points, **class work points can be both earned and lost**. Points are lost through disrespectful or disruptive behavior such as talking in class, leaving class early, answering cell phones, etc.

Cell phones and other electronic devices:

- Turn OFF all cell phones and electronic devices before class, and especially during exams.
- Cell phones that are on "vibrate" mode are STILL DISRUPTIVE.
- Leaving the room to answer cell phones that are in "silent" mode is disruptive and unacceptable. Take care of private calls/texting on your own time.
- The use of text messaging or other electronic devices for cheating on tests will be treated with the same seriousness as any other form of cheating (see ACADEMIC HONESTY below). Cell phones may <u>not</u> be used as calculators during exams.

Academic Honesty

- <u>Plagiarism</u> is to take and present as one's own the writings or ideas of others, without citing the source. You should understand the concept of plagiarism and keep it in mind when taking exams and preparing written materials. If you do not understand how to correctly 'cite a source', you must ask for help.

- <u>Cheating</u> is defined as fraud, deceit, or dishonesty in an academic assignment or using or attempting to use materials, or assisting others in using materials, or assisting others in using materials, which are prohibited or inappropriate in the context of the academic assignment in question.

  Anyone caught cheating or will receive a zero (0) on the exam or assignment, and the instructor may report the incident to the Campus Disciplinary Officer, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action. Please refer to the General School Catalog for more information on academic dishonesty or other misconduct. Acts of cheating include, but are not limited to the following: (a) plagiarism; (b) copying or attempting to copy from others during an examination or on an assignment ;(c) communicating test information with another person during an examination; (d) allowing others to do an assignment or portion of an assignment, (e) use of a commercial term paper service

- The consequences of academic dishonesty are severe and may include the possibility of expulsion. For further information, refer to the Standards of Student Conduct on p. 34 and pp. 41-42 of the 2014-2015 General Catalog.

Additional Help

- <u>Blackboard</u> support center: http://bbcrm.edusupportcenter.com/ics/support/default.asp?deptID=8543
- <u>Learning Labs:</u> There are several 'labs' on campus to assist you through the use of computers, tutors, or a combination. Please consult your college map for the Math Lab, Reading & Writing Lab, and Learning Services (library). Please speak to the instructor about labs unique to your specific program
- <u>Library Services:</u> There is more to our library than just books. You have access to tutors in the learning center, study rooms for small groups, and online access to a wealth of resources.

Disabled Student Programs and Services (DSPS)

Any student with a documented disability who may need educational accommodations should notify the instructor or the Disabled Student Programs and Services (DSP&S) office as soon as possible. If you feel you need to be evaluated for educational accommodations, the DSP&S office is located in Building 2100, telephone 760-355-6313.

Student Counseling and Health Services

Students have counseling and health services available, provided by the pre-paid Student Health Fee. We now also have a fulltime mental health counselor. For information see http://www.imperial.edu/students/student-health-center/. The IVC Student Health Center is located in the Health Science building in Room 2109, telephone 760-355-6310.

Student Rights and Responsibilities

Students have the right to experience a positive learning environment and due process. For further information regarding student rights and responsibilities please refer to the IVC General Catalog available online at http://www.imperial.edu/index.php?option=com_docman&task=doc_download&gid=4516&Itemid=762

Information Literacy

Imperial Valley College is dedicated to help students skillfully discover, evaluate, and use information from all sources. Students can access tutorials at http://www.imperial.edu/courses-and-programs/divisions/arts-and-letters/library-department/info-lit-tutorials/

Anticipated Class Schedule / Calendar

(*With the exception of the Final Exam, these dates are tentative and subject to change with advance notice!)

Monday	Wednesday	Weekly Goals
8/18	8/20	1.1 – 1.3
8/25	8/27	1.4 – 1.5
9/1 **LABOR DAY – NO CLASS**	9/3	2.1 – 2.2
9/8	9/10	2.2 – 2.3
9/15	9/17 **EXAM 1**	2.3 – 2.4; exam
9/22	9/24	2.5 – 2.6
9/29	10/1	3.1 – 3.3
10/6	10/8	3.4 – 3.5
10/13	10/15 **EXAM 2**	3.6; exam
10/20	10/22	3.7 – 3.9
10/27	10/29	4.1 – 4.3
11/3	11/5	4.4 – 4.5
11/10	11/12 **EXAM 3**	5.1 – 5.3; exam
11/17	11/19	5.4 – 5.6
11/24 **HOLIDAY – NO CLASS**	11/26 **HOLIDAY – NO CLASS**	Have fun!
12/1	12/3	5.7 – 5.10
12/8	12/10 **FINAL EXAM**	Review; final exam

IMPORTANT DATES AND DEADLINES:

August 30	Last day to withdraw without owing fees and/or be eligible for a refund
	Last day to add a class
September 1	Last day to withdraw without course appearing on transcripts (without receiving a "W")
November 8	Last day to withdraw and receive a "W"
December 10	Final Exam (comprehensive)

CAMPUS RESOURCES:

Math Lab
Building 2500
Mon. – Thurs.:   8 a.m. – 9 p.m.
Friday: 8 a.m. – 5 p.m.
Saturday: 8 a.m. – 1 p.m.
(760) 355 – 6160

Study Skills Center
Located in the Library
Mon. – Thurs.:   9 a.m. – 5 p.m.
Friday: 9 a.m. – 3. p.m.
(760) 355 – 6384

"Never regard your study as a duty, but as the enviable opportunity to learn to know the liberating influence of beauty in the realm of the spirit for your own personal joy and to the profit of the community to which your later work belongs."   -- Albert Einstein