

Instructor: Dr. Alvaro Islas**Office:** MAP105**(407) 823-3961****drislas@gmail.com****Classroom and Time:** HPA 112, Wednesday 4:30 - 5:45 PM**Text:** Applications of Calculus I (Available online at www.excel.ucf.edu)

Grading: Your grade depends entirely on your participation in class as recorded with the use of i-clicker technology, and it is broken down as follows: **Read Ahead Quizzes (30%)** given in the beginning of each lecture and based on the chapter content of the day; **red-colored (50%)** questions with Calculus content; and **blue-colored (20%)** questions with lecture-specific content. In addition, if you score 80% or higher on the blue questions, you will get an extra 2 points towards your final grade.

Grading scale: 90 100 A; 80 89 B; 70 79 C; 60 - 69 D; 0 59 F.**Martin Luther King Jr. Day:** Monday, 1/19; **Withdrawal Deadline:** Friday, 3/6; **Spring Break:** March 9 - 14.

Disability Policy: Students with disabilities who need accommodations in this course must contact the professor at the beginning of the semester and must be registered with Student Disability Services (Student Resource Center, room 132, phone 407-823-2371, TTY/TDD only phone (407) 823-2116) before requesting accommodations.

Academic Honesty: When selecting i-clicker answers, it is expected that you are doing the work on your own. No one should share her/his i-clicker answers with any other student. Academic dishonesty is strictly forbidden and disciplinary action in accordance with University policy will be taken in response to such behavior.

Schedule for Applications of Calculus I Spring 2009

Week	Date	Title	Presenter
1	1/7	Introduction and Getting Ready	
2	1/14	Focus Groups	
3	1/21	Limits and Rates of Change: applications to heat transfer	Dr. Kassab
4	1/28	Limits and Rates of Change: applications to heat transfer	Dr. Kassab
5	2/4	Chemical Kinetics	Dr. Clausen
6	2/11	Chemical Kinetics	Dr. Clausen
7	2/18	Detecting Edges in Images	Dr. da Vittoria Lobo
8	2/25	Detecting Edges in Images	Dr. da Vittoria Lobo
9	3/4	Calculating real life derivatives while building a quantum star and mapping out curved spacetimes	Dr. Brueckner
10	3/18	Calculating real life derivatives while building a quantum star and mapping out curved spacetimes	Dr. Brueckner
11	3/25	Application of Maximum and Minimum Values and Optimization to Engineering Problems	Dr. Chopra
12	4/1	Application of Maximum and Minimum Values and Optimization to Engineering Problems	Dr. Chopra
13	4/8	Applications of Integration in Biomedical Science	Dr. Self
14	4/15	Applications of Integration in Biomedical Science	Dr. Self
15	4/22	Evaluations & Final Exam Review	Ms. Pyle