ISC 2215 Applications of Calculus I
Fall 2008

Instructor: Dr. Cherie Geiger

Office: CH325, (407)823-2135, cgeiger@mail.ucf.edu

Classroom and Time: Wednesday 4:30 - 5:45 PM, CSB 101

Text: Applications of Calculus I

Grading: Your grade depends entirely on your participation in class as recorded with the use of i-clicker technology. Each presentation contains red- and blue-colored questions. Red-colored questions count 80% of your grade while blue-colored questions count 20%. In addition, if you score 80% or higher on the blue questions, you get an extra 2 points.

Grading scale: 90 – 100 A; 80 – 89 B; 70 – 79 C; 60 - 69 D; 0 – 59 F.

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 to in-class questions, 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. For more information please see the UCF Golden Rule Handbook or visit http://www.ucf.edu/goldenrule.

Important Dates:
Withdrawal Deadline: Friday, October 17
Labor Day: Monday, September 1
Veterans Day: Tuesday, November 11
Thanksgiving Break: November 27-29
UCF Fall 2008 Calendar: http://www.registrar.sdes.ucf.edu/calendar/academic/2008/fall/

Schedule for Applications of Calculus I, Fall 2008

Week	Date	Title	Presenter
1	8/27	Introduction and Getting Ready	Dr. Geiger
2	9/3	Limits and Rates of Change: *applications to heat transfer*	Dr. Kassab
3	9/10	Limits and Rates of Change: *applications to heat transfer*	Dr. Kassab
4	9/17	Chemical Kinetics	Dr. Clausen
5	9/24	Chemical Kinetics	Dr. Clausen
6	10/1	Detecting Edges in Images	Dr. da Vittoria Lobo
7	10/8	Detecting Edges in Images	Dr. da Vittoria Lobo
8	10/15	Calculating real life derivatives while building a quantum star and mapping out curved spacetimes	Dr. Brueckner
9	10/22	Calculating real life derivatives while building a quantum star and mapping out curved spacetimes	Dr. Brueckner
10	10/29	Application of Maximum and Minimum Values and Optimization to Engineering Problems	Dr. Chopra
11	11/5	Application of Maximum and Minimum Values and Optimization to Engineering Problems	Dr. Chopra
12	11/12	Applications of Integration in Biomedical Science	Dr. Self
13	11/19	Applications of Integration in Biomedical Science	Dr. Self
14	11/26	Day before Thanksgiving, No class!	
15	12/3	Calculus Review	
16	12/8-13	Final Exam Week	