

ISC 2215 Applications of Calculus I Spring 2008

Instructor: Dr. Cherie Geiger

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

Classroom and Time: Monday: Recitation, MAP360 4:30 - 5:45 PM,
Wednesday: Class, HPA112 4:30 - 5:45 PM

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.

Important Dates:

Withdrawal Deadline: Friday, Feb. 29

Martin Luther King Day: Monday, Jan. 21

Spring Break: March 10-15

UCF Spring 2008 Calendar:

<http://www.registrar.sdes.ucf.edu/calendar/academic/2008/spring/>

Grading scale: 90 – 100 A; 80 – 89 B; 70 – 79 C; 0 – 69 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: The work that you do in this class is expected to be your own work. When selecting iclicker answers to the questions in class it is expected that you are doing the work on your own. No one should share their iclicker questions with any other student in class. 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 UCF's Golden Rule Handbook or visit <http://www.ucf.edu/goldenrule>.

Schedule for Applications of Calculus I Spring 2008

Week (mm/dd) Title and Presenter

Week 1 (01/09) Introduction and Getting Ready.

Week 2 (01/16) Limits and Rates of Change by Dr. Winningham

Week 3 (01/23) Limits and Rates of Change by Dr. Winningham

Week 4 (01/30) Chemical Kinetics by Dr. Clausen

Week 5 (02/06) Chemical Kinetics by Dr. Clausen

Week 6 (02/13) Detecting Edges in Images by Dr. da Vittoria Lobo

Week 7 (02/20) Detecting Edges in Images by Dr. da Vittoria Lobo

Week 8 (02/27) Numerical Solution of Differential Equations by Dr. Islas.

Week 9 (03/05) Numerical Solution of Differential Equations by Dr. Islas.

Week 10 (03/10-15) Spring Break

Week 11 (3/19) Application of Maximum and Minimum Values and Optimization to Engineering Problems by Dr. Chopra.

Week 12 (03/26) Application of Maximum and Minimum Values and Optimization to Engineering Problems by Dr. Chopra.

Week 13 (04/02) Applications of Integration in Biomedical Science by Dr. Self.

Week 14 (04/09) Applications of Integration in Biomedical Science by Dr. Self.

Week 15 (04/16) Calculus Review.

Week 16 (4/22-28) Final Exam Week.