

Syllabus –Spring 2012
#51825 - MATH ANALYSIS III

Instructor: C. Montgomery

Class Meets: M-Th, 8:00-8:50 A.M.

Phone No.: (559) 638-3641 ext. 3799

Email: cindy.montgomery@reedleycollege.edu

Office Hours: Monday-Thursday 11:00-11:30 A.M.
Friday 11:30 A.M.-12:00 P.M.
(or by appointment)

Office Location: FEM 1G/Math Center

OBJECTIVES: Students will be able use the knowledge of calculus they acquire in this course to:

1. Apply multivariable calculus including solid analytical geometry, three dimensional vectors, vector valued functions, partial differentiation, multiple integration, line integrals, Divergence, Green's, and Stokes' Theorems. 2. Solve problems with applications in life as well as work situations. 3. Achieve oral and technical writing skills to clearly communicate the problem and solution process. 4. Enhance their analytical problem solving ability and increase self-confidence in their ability to use mathematics. 5. Obtain the knowledge base and skills necessary for success in future math, computer science, engineering and science coursework.

Advisories: Eligibility for ENGL 125 and ENGL 126

Prerequisites: Completion of Math 5B with a grade of C or better.

Text: Calculus, Multivariable; 9th Edition; Authors; Anton, Bivens & Davis; Publisher, John Wiley and Sons
ISBN# 978-0-47018346-5

Materials: Scientific calculator, binder, graph paper (isometric available at Blackboard online)

Grading:

Assignment/Exam	Points
Chapter Tests (3-5)	100 (per exam)
Final Exam	100
Homework/Lab Points	50-70

Each test is worth 100 points. The *final is mandatory*. Please talk to me before class if you need to leave early. **The instructor reserves the right to deduct points of any student whose in class behavior is unacceptable to the instructor. These behaviors include those listed under Expected Participation and Behavior on the second page of this syllabus.** Lab work will range in value from 4 to 10 points. At the end of the semester your points will be totaled your final grade will be computed as follows:

Grading Scale:	Grade	Percent
	A	90 -100
	B	80 - 89
	C	70 - 79
	D	60 - 69
	F	Below 60

SPECIAL NEEDS: If you have special needs as addressed by the Americans with Disabilities (ADA) act including alternate media requests, please notify your course instructor immediately. Reasonable efforts will be made to accommodate your special needs.

Homework: Homework is extremely important. Your success in this class is dependent upon your ability to work and understand the homework problems. **Do not fall behind!** If you are having difficulty, get help immediately!!! **Please let me know if I can help you in anyway.**

- 1. Homework is due at the beginning of class on each test date.**
- 2. Homework must be in the order in which it was assigned.** I will not accept homework that is disorganized or late.
- 3. Each homework assignment is worth up to ten [10] points. Ten points will be assigned only when homework is complete (all work must be shown), organized and neat.** No credit will be given for homework consisting only of solutions or homework copied from the student's solutions manual! The solutions are in the back of your book. You are responsible for checking your own work, then asking the instructor for clarification of any problem(s) you did not understand the next class meeting. You need to complete your homework assignments on a daily basis.

Exams:

- a) The Final Exam will be a comprehensive exam and is mandatory. The Final Exam will be held:**
Monday, May, 14th, 8:00-9:50 A.M.
- b) Makeup exams will not be given.** With the instructor's permission, you may be able to use the final exam to replace one missed exam.
- c) Only certain calculators are allowed on tests.** I will let you know before the exam. In general, the TI 89 and 92 will not be allowed on exams while the TI-83- 86 will be.
- d) Cheating on an exam may result in an F in the course or an F on the exam depending on the severity of the offense. Talking to other students or cell phone use during an exam will be considered cheating.**
For details of the college policy in regard to plagiarism or cheating, see page 52 of the catalog.

Expected Behavior and Attendance

- 1. After 3 absences, you may be dropped from the course.** Please notify me if you are going to be absent. **Absences will not be excused under most circumstances. If you wish to drop the course, it is your responsibility to do so.** You must turn a completed "change of program" form into the student admissions & records office to drop the class.
- 2. You can be dropped from the class or have participation/homework points deducted for any of the following behaviors.**
 - A) Any behavior that is disrespectful of fellow students or the instructor.**
 - B) Talking while I am talking and/or any distracting behavior.**
 - C) Failure to cooperate/participate in group-activities.**
 - D) Leaving class early without prior instructor notification.**
 - E) Excessive tardiness and/or absences.**
 - F) Cellular phone use or any electronic device not approved by instructor for in-class use at that time.**

Important Dates & Holidays:

Monday, January 16th	Martin Luther King, Jr. Day
Friday, January 20th	Last Day to drop the class and receive a refund
Friday, January 27th	Last Day to Register & Last Day to Drop and Avoid a "W"

Note: New rule, "W" now counts as an attempt at a class. You can only have 3 attempts at taking a class.

Friday, February 10th	Last day to file for Pass/No Pass grading basis
Fri.-Mon., February 17th -20th	Presidents Days (Lincoln & Washington)
Friday, March 9th	Last Day to Drop Course (letter grade assigned afterward)
Mon.-Fri., April 2nd -6th	Spring Break
May 14th -18th	Finals Week (your final is Mon., May 14th)

