MATH 2204  Introduction To Multivariable Calculus  Summer 2016
CRN:  62180 (8:00 – 9:15 am)  Room: McB 226
       61339 (9:30 – 10:45 am)

Instructor:  Diane Agud
Office:  421 McBryde Hall
Office Telephone Number:  231-8208
E-mail Address:  agud@math.vt.edu
Course web page:  http://www.math.vt.edu/courses/math2224/index.html
Office Hours:  Monday-Friday: 10:45 a.m. – 12:00 noon
               Or by appointment

CATALOG DESCRIPTION:  Calculus for functions of several variables. Planes and surfaces, continuity,
differentiation, chain rule, extreme values, Lagrange multipliers, double and triple integrals and applications,
software-based techniques. Partially duplicates 2016, 1224 and 2224.

PREREQUISITE:  Math 1226. If you have credit for Math 1224 or Math 1206, you should take Math 2224,
NOT Math 2204.


CONTENT:  We will cover the material listed on the assignment sheet. Any changes will be announced in class.

TESTS:  There will be three in class, closed book, and closed notes tests. These tests will count for a total
of 63% of your final grade. Test dates will follow, as close as possible, the course syllabus. You must take
tests on the specified date. NO make-ups will be given. If you will miss a test due to a University sponsored
activity you must make arrangements beforehand to take the test. A note from a coach verifying this
absence is required. For an excused absence, the final exam score will be substituted for the missed test
score. If you request an excused absence from a test, you must phone or see me on test day, and present
me with a written excuse within three calendar days. Excused absences will include severe illness or death.
Being unprepared is not an excused absence. One excused absence is allowed, beyond that you will receive
a zero for any missed test.

WRITTEN HOMEWORK/QUIZZES:  Read each section and do homework daily as assigned. Students are
encouraged to work together on daily homework; copying of work a solution manual or any other source is
not permitted. Certain homework assignments will be collected at announced and unannounced times.
Quizzes may be announced or unannounced, in-class or take-home and individual or group assignments.
Students may not work together on take-home assignments, unless otherwise specified (group quiz).
Attendance is a requirement for receiving credit on homework/quiz assignments. Students must be present
the day the assignment is given and present on the day the assignment is collected. Assignments are due
at the beginning of class. No late work will be accepted. A grade of zero will be assigned for any paper not
on time. Collected homework and quizzes count for a total of 17% of your final grade. At least one
homework or quiz grade will be dropped.

ATTENDANCE:  Attendance will be taken each class period. Students are expected to attend every class
meeting and to arrive on time. To be considered present, a student must be in class and working until
dismissed. Each student must personally sign the attendance sheet each lecture class period for attendance credit. Attendance is a requirement for receiving credit on homework/quiz assignments. An absence, due to a University sponsored activity, will not be counted toward the quiz policy provided that written verification from a coach or University sponsor is sent to me. If a student is absent from class, he/she is responsible for all material, announcements and assignments missed.

**FINAL:** The two part final examination is a comprehensive final exam, which counts for 20% of your final grade. The common part, common to all sections, is NOT written by me, and is multiple choice. The section specific part of the final exam is written by me. The Math 2204 final exam will be on Friday, July 1, 2016. The location of the final exam will be announced toward the end of the semester. The final exam is a required class meeting that will not be rescheduled for discretionary reasons, for example, conflicts with work schedules and with classes and exams at other colleges. Students simultaneously taking courses at NRCC should check at the beginning of the semester that they will not have a conflict because the Math Department will NOT accommodate such a conflict.

**GRADING:** For 90% of the total you will receive at least an A-, 80% a B-, 70% a C-, 60% a D-. Plus and minus grades will be assigned at my discretion.

**HONOR SYSTEM:** You must abide by the Virginia Tech Honor Code for all graded work. All tests and quizzes must be entirely the student’s own work. Copying a solution from any source for a test, homework/quiz assignment or Matlab worksheet is prohibited. A student’s name on a group assignment signifies both that the student contributed significantly to the work on the assignment and that all of what is on the assignment accurately represents the student’s own understanding of the material. Under the Honor Code, it is the responsibility of each student to consult with his teacher, if necessary, to ensure that the student understands exactly how the Honor Code applies to each piece of graded work. Koofers may not be used.

**RESOURCES AVAILABLE:** There are many resources available to you if you are having difficulty with the course, besides coming to my office for individual help. The math tutoring lab is open 4:30pm to 9:30pm Sunday through Thursday. The Student Success Center offers individual tutoring by appointment for many subjects. Information about private tutoring can be found here. Make sure to read the Math 2204 homepage and the course scholar site regularly.

The use of commercially purchased notes (selling and buying) will not be permitted in this class. Any violation of this policy will be considered an Honor Code Violation. Recording of lectures is not permitted without prior consent from the instructor.

Any student with special needs or circumstances should feel free to meet with me during office hours.

Exceptions to the attendance and make-up policies will be made in the event of serious illness or personal emergency at my discretion. If such a situation arises, please be sure to contact your dean's office and me; I will receive a letter from the dean's office explaining the circumstances.

**IMPORTANT:** If you are not on the class roll that comes out after the last add date, immediately check your schedule at a terminal and start attending the proper section. For no foreseeable reason (computer and registrar personnel mistakes included) will you be allowed to stay in the wrong section or to drop a section for which you are actually enrolled after the last drop date. By simply attending a section you will not be placed on its roll.
IMPORTANT DATES:
• Classes Begin: Monday, May 23, 2016
• Last Day to Add Classes: Wednesday, May 25, 2016
• No Classes (Memorial Day): Monday, May 30, 2016
• Last Day to Drop Classes Without Grade Penalty: Monday, June 6, 2016
• Last Day to Resign Without Grade Penalty: Monday, June 13, 2016
• Deadline for Undergraduates to request rescheduling of final examinations that conflict or constitute a third exam in 24 hours (see your Academic Dean): Friday, June 17, 2016
• Last Day to apply for Course Withdrawal: Thursday, June 30, 2016
• Classes end: Thursday, June 30, 2016

FINAL EXAMINATION:

Alternate final time schedule:
Thursday, June 30, 2016,
1:00 p.m. – 4:00 p.m.

University final time schedule:
Friday, July 1, 2016,
8:00 a.m. - 10:00 a.m. (62180)
10:30 a.m. – 12:30 p.m. (61339)