COLUMBUS STATE COMMUNITY COLLEGE  
MATHEMATICS DEPARTMENT  
COURSE SYLLABUS

Course Number: MATH 254 -004-06549  
Course Name: Multivariable Calculus  
QTR/YR.: WINTER 2011

PREREQUISITE:  MATH 153 with a grade of “C” or higher

Instructor: Daryl McGinnis  
Office: NA  
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COURSE DESCRIPTION
Introduction to multivariable calculus: Vector valued functions and motion in the plane and in space, functions of several variables, partial derivatives, directional derivatives, gradients, extrema, multiple integrals, line integrals and Green’s Theorem; Applications to problems in science and engineering.

GOALS AND/OR OBJECTIVES
To introduce the student to the concepts, methods and applications of multivariable calculus necessary for further study in calculus, science and engineering; to promote the further development of the student's algebraic, numerical, graphical and communication skills acquired in previous courses.

TEXTBOOK: SPECIAL COURSE REQUIREMENTS
A Graphing Calculator is recommended. However, any symbolic manipulator, e.g. TI-89, TI-92 etc., is not permitted.

INSTRUCTIONAL METHODS
Classroom lecture, discussion, recitation, and/or problem solving explorations supplemented by visual and/or computer aids.

ACADEMIC ASSESSMENT STATEMENT
Columbus State Community College is committed to assessment (measurement) of student achievement of academic outcomes. This process addresses the issues of what you need to learn in your program of study and if you are learning what you need to learn. The assessment program at Columbus State has four specific and interrelated purposes:

1. to improve student academic achievement;
2. to improve teaching strategies;
3. to document successes and identify opportunities for program improvement;
4. to provide evidence for institutional effectiveness.

In class you are assessed and graded on your achievement of the outcomes for this course. You may also be required to participate in broader assessment activities.

METHODS OF EVALUATION
Best 6 of 8 quizzes (each worth 20 points): 120
2 exams at 150 each: 300
Final Exam: 200
TOTAL CLASS POINTS: 620

UNITS OF INSTRUCTION
Chapter 12: 12.1-12.5  
Chapter 13: 13.1-13.10  
Chapter 14: 14.1-14.8  
Chapter 15: 15.1-15.5

STUDENT CODE OF CONDUCT
As an enrolled student at Columbus State Community College, you have agreed to abide by the Student Code of Conduct as outlined in the Student Handbook. You should familiarize yourself with the student code. The faculty at Columbus State expect you to exhibit high standards of academic integrity. Any confirmed incidence of Academic Misconduct, including plagiarism and other forms of cheating, will be treated seriously and in accordance with College Policy and Procedure.

The use of a graphing calculator to store notes and/or formulas without the instructor’s permission is considered academic misconduct and is subject to disciplinary action according to college policy. The use of any electronic device capable of wireless communication (phone, computer, pager, etc.) is strictly prohibited during any proctored assessment (test, quiz, etc.).
DISABILITY SERVICES
It is Columbus State policy to provide reasonable accommodations to students with documented disabilities. If you would like to request such accommodations because of a physical, mental, or learning disability, please contact your instructor or the Department of Disability Services, 101 Eibling Hall, 287-2570 (V/TTY).

LAST DAY TO WITHDRAW FROM COURSE
If you should decide to drop this course, but do not officially do so through Records & Registration, a failing grade will be recorded on your transcript. The last day to drop this course is Thursday, Feb. 17, 2011. For flex terms, please look it up in [http://cscc.edu/Schedules/autumn10.htm](http://cscc.edu/Schedules/autumn10.htm). No drops will be allowed after that date. Drop forms are available from the Counseling/Advising Center and from Records and Registration.

NOTE TO FINANCIAL AID RECIPIENTS
Columbus State is required by federal law to verify the enrollment of students who participate in Federal Title IV student aid programs and/or who receive educational benefits through the Department of Veteran’s Affairs. It is the responsibility of the College to identify students who do not commence attendance or who stop attendance in any course for which they are registered and paid. Non-attendance is reported quarterly by each instructor and results in a student being administratively withdrawn from the class section. Please contact the Financial Aid Office for information regarding the impact of course withdrawals on financial aid eligibility.

ELECTRONIC DEVICES IN THE CLASSROOM
As a courtesy to your fellow classmates and instructor, please turn off your cell phone or anything else that might cause a disturbance during class.

EMERGENCY CLOSINGS
Please visit the Math Department's webpage at [cscc.edu/docs/math](http://cscc.edu/docs/math) and click on the link, "How to respond to emergency closings". All students are responsible for printing a copy of this statement for future reference in the event of an emergency closing of the school.

INSTRUCTOR’S OFFICE HOURS
After class in our room (or available room, as late as 4:30 pm).

MAKEUP POLICY
There are NO make up quizzes. Make up exams will be given provided reasonable documented excuse.