INSTRUCTOR: Dr. John Alexopoulos

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<table>
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<th>OFFICE HOURS:</th>
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<td>MW 05:10PM-06:55PM</td>
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<td>TR 10:45AM-11:30AM</td>
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COURSE HOURS AND LOCATION: TR 09:30AM-10:45AM, RCM 213.


MATERIAL TO BE COVERED: Sections 13.6 - 13.10, Chapters 14 - 16 and as much from chapter 17, as time permits (usually 17.1-17.4). Topics will include, vector functions and space curves, curvature, functions of several variables, partial derivatives, gradients, optimization, multiple integrals, vector fields and Green’s Theorem etc. Your thorough knowledge of Algebra, Trigonometry, Differentiation and Integration are required and expected.

HOMEWORK ASSIGNMENTS: Homework problems will be assigned at the end of each class. In order to fully understand the material you need to do the assigned homework daily. Plan to spend a substantial amount of time doing homework. Many of the problems are complex and computationally intensive.

ATTENDANCE POLICY: Regular attendance is necessary and expected.

ACADEMIC HONESTY: Cheating or plagiarism will result in receiving a failing grade for the work or course. Repeat offenses result in dismissal from the University.

STUDENTS WITH DISABILITIES: In accordance with University policy, if you have a documented disability and require accommodations to obtain equal access in this course, please contact the instructor at the beginning of the semester or when given an assignment for which an accommodation is required. Stark Campus students should contact Student Services to submit documentation.

TESTS: There will be four tests, each to be announced a week in advance, as well as a comprehensive final on the scheduled day and time of the final exam week (Thursday, December 14 at 8:00AM). A tentative breakdown of the material for the exams is as follows:

   TEST 1  Elementary three dimensional geometry and curves in space (sections 13.6-13.10 and chapter 14)
   TEST 2  Limits, partial derivatives and optimization (chapter 15 some sections omitted)
   TEST 3  Multiple integrals and applications (chapter 16 some sections omitted)
   TEST 4  Vector fields and Line Integrals, Green’s Theorem (sections 17.1-17.4 or ?)

GRADING: Each of the three tests will constitute 18% of the final grade and the final exam the remaining 28%. Grades will be assigned according to the standard scale. That is,

   A: 90 to 100%  B: 80 to 89%  C: 70 to 79%  D: 60 to 69%  F: below 60%

MAKE-UP EXAMS: If you miss an exam or assignment you are NOT automatically entitled to a make-up of the missed item. Every effort should be made on your part to notify the instructor BEFORE the work is missed. I will consider each case individually and inform you of my decision and the time, place and type of the make-up.