Instructor. Daniel Dix

Office Hours. MWF 9:40-10:40 am; no appointments are needed. If these times don’t work students are encouraged to see me before or after class, email me or call my office, to set up appointments which fit our individual schedules.

Office, Phone, E-Mail. LeConte 400E, 777-7525, dix@math.sc.edu


Class Time and Room. MWF 2:20 pm–3:10 pm, LeConte 112.

Prerequisites. C or better in Math 142 or placement in Math 241.


Material to be covered, Learning Outcomes. Chapters 12 through 16. Successful students will master concepts and gain skills needed to solve problems related to

1. vector algebra, geometry of three-dimensional space;
2. lines, planes, and curves in space;
3. polar, cylindrical, and spherical coordinate systems;
4. partial differentiation, max-min theory;
5. multiple and iterated integration, line integrals, and Green’s theorem in the plane.

Homework. Homework problems will be assigned at every class meeting on WebAssign. http://www.webassign.net, class key: sc 4405 6846. Every student should go to this web site and self enroll. Solutions should be visible online after the assignment is due.

Quizzes. 10-15 minute quizzes will be given at the beginning of class about once a week. No makeup quizzes will be given. A few of the lowest quiz grades will be dropped.

Exams. There will be three exams given during class on the following dates:

1. Monday, Sept. 21. (The drop date is Monday, Oct. 12.)
2. Wednesday, Oct. 21.

Policy on Missed Exams. No makeup exams will be given unless the student contacts the instructor prior to the beginning of the scheduled exam time and provides proof of a medical or other emergency as an excuse.

Final Exam. There will be a one hour final exam given on Wednesday, Dec. 9, at 9:00 am in the class room. It will cover everything, including the material discussed on the last three class meetings.

Grading System. Your final score (out of 100 total points) for the course will be computed as follows:

1. Homework average will count 10%.
2. Quiz average will count 10%.
3. Average of three hour exam scores will count 60%.
4. Final exam will count 20%.

There will be no “curve”. From this 100 point figure your grade will be determined by the scale:
A: 90–100 B: 80–89 C: 65–79 D: 50–65 F: 0–49