MATHEMATICS 242, Section 9, SYLLABUS - FALL 2021
TH 3:00 pm - 4:50 pm, Kamphoefner G20

INSTRUCTOR

Min Kang, (office: SAS 4114, Ph #: 919-515-7891, email: mkang2@ncsu.edu)

TEXTBOOK

"Calculus for Engineers and Scientists, Vol III " written by J. Franke, J. Griggs and L. Norris. The text is in pdf format and available, along with the solutions manual, to the students via WebAssign.

PREREQUISITES

MA 241 with grade of C- or better.

HOLIDAYS

No class will be held on September 6 (Labor Day), October 4 - 5 (Fall Break) and November 24 - 26 (Thanksgiving Break).

ATTENDANCE

The TA (Y. Wang) will keep track of attendance of the lectures occasionally and this will be reflected to the term grades.

CONTENT

This course is the last of three semester long calculus sequence for engineering and sciences majors. It covers differential and integral multivariable calculus. Topics include operations on vectors, vector functions, partial derivatives, gradients, directional derivatives, level curves/surfaces, line and surface integrals, double/triple integrals and applications, vector fields, Green's theorem, Divergence theorems, Stokes' theorem and applications.

HOMEWORK

Homework will be through WebAssign which students must register online. All students must now manually add themselves to the roster in WebAssign. For details on how to do this, read the document at the following link:

$https://docs.google.com/document/d/1J0bSkhmH-odVskB1XbkhudT7SjK0C0O5kDMcJJzWEbg/edit$

Students must use the class key [$ncsu98419853$] to self-enroll in WebAssign for MA 242, Section 9. It is the student's responsibility to complete all the assignments on time posted under WebAssign and the link for this and other related resources will be given in the course Moodle site. In general extensions for the due dates of the WA homework assignments will not be given. Tutoring service provided by the university is available. The schedule and the detailed information on tutoring can be found at $http://www.ncsu.edu/tutorial_center/$

MIDTERMS

There will be three 50-minute midterm tests: the first test on Thursday, 09/16/2021, the second on Thursday, 10/14/2021 and the third on Thursday, 11/11/2021. The midterm tests will be at Kamphoefner G20, 3:00 pm - 3:50 pm immediately followed by a lecture for the remaining lecture hours. There will NOT be any make-up midterm test unless the reason of missing the exam is fully justified by necessary official documents. Any missed exam of an undocumented reason will count as zero score in that test. These tests are closed-book exams without any form of aid (e.g. calculator, computers etc) allowed. Anticipated and/or emergency absences must be reported before the test dates. No calculator will be allowed nor necessary.

FINAL EXAM

The final is mandatory, cumulative and given on December 7, 2021 (Tuesday), 3:30 pm - 6:00 pm in Kamphoefner G20. The instructor is not allowed to schedule a make-up final exam. Students must arrange their schedule to avoid any conflict with other finals (e.g. 3 final exams within 24 hours). The final exam includes the whole material covered throughout the semester. The final is a closed-book exam without any form of aid (e.g. calculator, computers etc) allowed.

GRADE

Homework (WebAssign) Assignments 14 %, Attendance 4 %, Three Midterms 54 % together, Final 28 %. All the exams are curved including the final and the letter grades.

OFFICE HOURS

Wednesdays 4:00 pm - 6:00 pm or by appointments or zoom.

ACCOMMODATION OF DISABILITY

Reasonable accommodation will be given to the students with verified learning disabilities. For this, the students with learning disability must register with Disability Services $http://www.ncsu.edu/dso$ at Student Health Center Suite 1900, Campus Box 7509, 515-7653.