

**Math 22005-004: Analytic Geometry and Calculus III**

**Fall 2015**

TR 3:20-5:00 pm MSB 114

**Instructor:** Dr. Hung P. Tong-Viet, MSB 337, 330-672-9581, htongvie@math.kent.edu

**Office hours:** TR: 9:00-10:45 a.m and R: 1:40-3:10, and by appointment.

**Prerequisite** The prerequisite for this course is a C (73%) or better in Math 12003.

**Learning Outcomes** The students should be able to understand the concepts of vectors, geometry of space, partial derivatives, multiple integrals, and vector calculus. They should be able to formulate the Fundamental Theorem for line integrals, the Green's Theorem, the Stokes' Theorem and the Divergence Theorem.

**Text:** Essential Calculus, second edition by James Stewart (KSU custom edition)

**Course syllabus:**

- Chapter 10 (§10.7-§10.9): Vectors and Geometry of space
- Chapter 11: Partial Derivatives
- Chapter 12: Multiple Integrals
- Chapter 13: Vector Calculus

**Homework** Homework will be assigned online through WebAssign. Due dates appear with the assignments on WebAssign. To allow flexibility, assignments will be due approximately once per week. However, it is strongly recommended that you complete the assignments on the day they appear on WebAssign. You can request the deadline extension once per assignment before its due date, with 20% penalty on unearned work. The extended deadline is 3 days after the original due date. (More information on how to access WebAssign will be given later.)

**Quizzes** There will be 6 quizzes written in every other week. At the end of the semester, homework and quiz average will be scaled to a score out of 100 points.

**Exams** There will be **three midterm exams** during the semester and **one final exam**.

Exam	Date	Time
Midterm I	Sep. 29	3:45-5:00 pm
Midterm II	Oct. 29	3:45-5:00 pm
Midterm III	Dec. 1	3:45-5:00 pm
Final Exam	Dec. 17	7:45-10:00 am

**Attendance** You are expected to be in class each day. A record of your attendance will be kept. If missing a class is unavoidable, you are responsible for all material covered and all announcement and assignments made during your absence. You are also responsible for checking your kent.edu email account on a regular basis for possible messages. Make-up tests will be permitted only if there is a legitimate reason for the absence, and if I am notified before the exam.

**Grading Policy** The final grade will be based on the following performance, with a total of 600 points.

	Points
Homework & Quizzes	100
Midterm I	100
Midterm II	100
Midterm III	100
Final Exam	200
Total	600

**Grading Scale**

	A: 93-100%	A- : 90-92%
B+:	87-89%	B: 83-86%
		B- : 80-82%
C+:	77-79%	C: 73-76%
		C- : 70-72%
D+:	67-69%	D: 60-66%
		F: <60%

**Registration Requirement** For the last day to add, drop or withdrawal from this course, consult the university registrar (<http://www.kent.edu/registrar/fall-important-dates>). University policy requires all students to be officially registered in each class they are attending. Students who are not officially registered for a course by published deadlines should not be attending classes and will not receive credit or a grade for the course. Each student must confirm enrollment by checking his/her class schedule (using Student Tools in FlashFast) prior to the deadline indicated. Registration errors must be corrected prior to the deadline.

**Cheating and Plagiarism** Cheating will not be tolerated - serious penalties will be imposed. In addition, all cases will be reported to the Office of Student Conduct. University policy 3342-3-01.8 deals with the problem of academic dishonesty, cheating, and plagiarism. To read the policy visit Cheating & Plagiarism Policy at [www.kent.edu/policyreg/administrative-policy-regarding-student-cheating-and-plagiarism](http://www.kent.edu/policyreg/administrative-policy-regarding-student-cheating-and-plagiarism).

**Students with Disabilities** University policy 3342-3-18 requires that students with disabilities be provided reasonable accommodations to ensure their equal access to course content. If you have a documented disability and require accommodations, please contact the instructor at the beginning of the semester to make arrangements for necessary classroom adjustments. Please note, you must first verify your eligibility for these through Student Accessibility Services. (Contact 330-672-3391 or visit <http://www.kent.edu/sas> for more information on registration procedures).