

MULLINS

VECTOR CALCULUS 2008-2009
3rd Period, Admin 2409

TEXTS: *CALCULUS, SINGLE AND MULTIVARIABLE*, 2nd edition,
by Hughes-Hallett, Gleason, et al
CALCULUS, 2nd Edition, by Swokowski, Olinick & Pence

Office Hours: 6th period; Tutoring: 3:15-4:00 Tuesday & Thursday

This course will begin with a review of the material from MultiVariable Calculus and culminate in a thorough in-depth look at applications of the Vector Calculus. The main topic will be vector integration and differentiation in three dimensions. The main results are: the Divergence Theorem and Stokes' Theorem (and the two dimensional version known as Green's Theorem) along with various important consequences.

GRADING: As in most courses at ASMSA, each nine weeks grade counts 40% of the final semester grade and the comprehensive final exam counts 20%. With regard to the nine weeks grade, exams will count 50%, homework and quizzes will count 40%, and the remaining 10% will be both formal (assigned) and informal (voluntary) oral presentations as well as class participation.

NOTE: Nearly every class will begin with a quiz over material that has been discussed recently in class and the related homework.

Homework may be collected at the beginning of a class at the discretion of the instructor. Homework develops the topics and gives a valuable check on understanding. Hence, it is imperative that each homework assignment be completed before class. **If homework is not turned in at the beginning of class, a 5% reduction will be imposed. See the student handbook for the ASMSA policy on late work and academic honesty.** Exceptions will be made only for excused absences and special circumstances to be determined by the instructor. In the event of an excused absence when homework is collected, there is a one-class grace period, i.e. it must be turned in by the second class meeting after the excused absence. If a quiz is missed due to an excused absence, the homework assigned for that class must be turned in to serve as the missed quiz grade. Any quiz that is missed due to an unexcused absence will receive a zero. **Tardies will not receive extra time to complete a quiz so it is an added incentive to be on time for class.** If you have an excused absence from an exam, you must contact me as soon as possible to schedule a makeup exam.

OTHER ITEMS: Students are responsible for any material when they miss class so they should receive tutoring for it at the scheduled tutoring times if at all possible. Of course, they may get help from the other students about the material and assignments (or contact the instructor by email). **Check your email regularly as it is a used to contact the entire class when the need arises. Failure to check your email is not an acceptable excuse.**