

MWF/Th	M	T	W	Th	F	Rm
9:30–10:20	MAT5600-01		MAT5600-01		MAT5600-01	M G87
10:30–11:20/12:00–12:50	MAT2500-01		MAT2500-01	MAT2500-01	MAT2500-01	M G87/JB208
11:30–12:20/1:00–1:50	Office		Office	Office	Office	SA370
2:00–3:00	AOffice		AOffice			SA370

If your schedule is not completely compatible with these office hours chosen to serve as many students as possible, appointments can be made by request at the end of class or by email. Drop-ins welcome.

“AOffice” = almost office hour (usually in but check first, same for lunch).

### MATH 2500: Calculus III (with MAPLE)

Textbook: *Multivariable Calculus: Early Transcendentals, Edition 7e* by J. Stewart

sections 12.1–4, 10.1, 12.5; 13.1–4; 14.1, 3–7; 15.1–3, 5, 7, 10.4, 12.7, 15.4, 8–9; 16.1–5, [6–9]; brackets mean optional;

Final Exam 2500–01 Wed, May 8, 2:30–5:00.

### MATH 5600: Differential Geometry see bob’s website [take home final exam]

**Quiz and Test Absences:** Notify me in advance (if possible) in person or by phone/voice-/e-mail. If not possible to anticipate absence, call/e-mail the same day if possible and if necessary explain in person at next available occasion. No valid excuse means 0 (zero). If your excuse is valid a makeup test will be arranged. Freshman note mandatory class attendance rule [excuse note from VPAA office!]. All students: excessive absence coupled with poor performance will not lead to a happy grade. All students are held responsible for all class material. See course web site.

**Homework:** READ the book carefully before doing homework. Keep a notebook or looseleaf binder or something in which to record your worked homework problems. Homework will not usually be collected, but is to your advantage to do it: it is the only way for the concepts to sink in. Bring your notebook/binder/something to office hour when seeking help. [Common MAPLE assignments will be collected via email done in groups of 2 or 3 and count as 10 percent of grade. Keep a backup copy!] Not doing homework will have a snowball effect in derailing your understanding in the course. (When under time pressure at least do some key problems when they are assigned. Finish the rest as soon as you can.)

**GRADES:** Short weekly quiz will monitor your understanding of the homework and class material. 3 hour tests (test 3 is a take home) plus final exam (test 4) will largely determine your grade. Lowest quiz grade, lowest of first two test grades dropped only if the subsequent test grade is higher. A formula like

$$.10(\text{quiz avg}) + .10(\text{Maple avg}) + .80(\text{test avg})$$

will be used to compute your raw number grade which has only a relative significance. Letter grades will be assigned in as intelligent a fashion as possible, based on an impression of absolute and relative performance. Individual student progress (and decline!) is also weighed by hand, taking the final exam into account to measure some mastery of the whole course content.

**In class tips:** Don’t try to write down everything—it’s “all” in the book (or handouts)—unless you have to for your study style. Instead try to understand what I say as I say it and capture the ideas rather than stumbling in the details. Ask a question or slow me up if you are confused. If you don’t, you are wasting an opportunity to do better. Communicate with me, during class or at least after class. Tell me what is unclear. Remember: mechanical calculations can be done by machines; you need to learn the ideas to think for the machines in applying them.