Office Hours for Finals

Mon, 12/8	**Tue, 12/9**	**Wed, 12/10**	**Thu, 12/11**	**Fri, 12/12**
11-12	2-4	11-12, 2-3	2-3:30	2-4

Section 1 Exam (9AM class) has their final on Monday, December 15 at 9AM.
Section 2 Exam (10AM class) has their final on Friday, December 12 at 6:30PM.

You may take the exam during the other section's scheduled time, if you email be by 5PM Wednesday, 12/10. This will be on a first come, first serve basis as space in the room allows.

The following are the types of problems to expect for the final. For practice problems, see the previous reviews, homeworks (and WeBWorKs), exams and problems on the Chapter review.

- Basic computations on vectors.
- Chapter 16 (what sections we cover) problems
- Integration, including reversing order of integration on a double integral
- A problem involving the Jacobian (§15.9) and change of variables
- Find all local maximums, minimums and/or saddle points
- A problem involving curvature
- A problem involving finding $\mathbf{T}$, $\mathbf{N}$ and/or $\mathbf{B}$.
- A problem involving the chain rule
- Find the max/min of a function over a region (involving both interior and boundary of the region)
- Find an equation of a plane given certain information (see §12.5 OR tangent plane problems in Ch 14).
- A problem involving cylindrical and/or spherical coordinates
- A problem involving $\mathbf{a}(t)$, $\mathbf{v}(t)$ and $\mathbf{r}(t)$
- A problem involving partial derivatives
- A problem involving directional derivatives