At this point, we are roughly a lecture behind where I’d like to be. Hence the schedule for this unit will begin off by a day, but will hopefully end on time.

**Thursday, March 1.** (really, Friday March 2)

*Lecture:* Vector functions.

*Read:* 14.1–14.6 (skip p. 515, 519, 520).

*Do:* 14.4: 2, 7, 13; 15, 16, 19, 20; 14.7: 1, 3, 5, 7, 10, 17.

**Friday, March 2.**

*Lecture:* Arc length.


**Tuesday, March 6:** Quiz on Units I and II.

**Thursday, March 8.**

*Lecture:* Tangent, normal, curvature.


*Do:* 14.9: 3, 5, 7, 9, 15ab (hint: $a \cdot T = d^2 s / dt^2$); 14.15: 1 (for curves 3 and 5 of 14.9); B.64: 5.

**Friday, March 9.**

*Lecture:* Polar coordinates, planetary motion.


*Do:* 14.15: 2, 5, 6b, 7, 10; 14.19: 1, 4, 9.

**Hand in Fri., March 9 in lecture** (7 points/problem).

2. B.63: 2.
3. B.63: 3.

*Date:* Spring 2001.