Basic information: The exam will be held in class, February 28 12:30–2 pm, in room 131 Abelson. It will take approximately 2/3 of the class time.

Review session: I will have office hours on Monday, 2–3:30 PM, please come; if this is not convenient, let me know, I will be available at other times on Monday as well.

Content of the exam: The exam will be based on Chapters 9 and 10, plus section 11.1 which we have basically covered along with 9.6. In more detail:

Chapter 10: 10.1-10.5, except for pp. 712–713 (normal and binormal vectors) and 720–723 (tangential/normal components of acceleration; Kepler’s Laws).
Chapter 11: Just section 11.1.

Suggestions for studying: The best preparation for the midterm is to read through the sections we’ve covered, and do lots of problems. I would suggest that you look at some of the odd-numbered problems in each section that were not assigned (so you can look afterwards at the answers). Each chapter has a review section, including quite a few problems. I’ve selected some; probably more than you will manage to do. In chapters 9 and 10, you might try the True/False questions.

Chapter 9 review problems: True/False, plus 1, 3, 4, 10, 11, 17, 18, 24 (the angle between two planes is equal to the angle between their normal vectors), 27, 29, 30, 31, 33, 34, 36, 37, 38, 40, 41, 42, 43.
Chapter 10 review problems: True/False, plus 1, 4, 5, 8, 9, 10, 12, 17, 18, 19, 21. You may also want to do some of the odd-numbered problems in section 10.5, for example 21, 23, and 29 (just the parameterization).
Chapter 11 review problems: 1, 3, 4, 5, 7, 8.

Have a pleasant break, and good luck with your preparation!