

Information about the Second Hour exam for Math 114-001

Mechanics of the exam:

- (1) The exam has been moved to Friday, Feb. 22, in our usual room, DRL A8, at the usual time (11:00 am). It will be 45 minutes long to give us time to collect the exams before everyone must leave for their next class.
- (2) **Important:** You can (and should) bring one handwritten one-sided page of notes to the exam, but no books or calculators. On this page, write down any formulas or notes which you think may help. See the next section for advice on how to prepare for the exam. Remember - no typed or photoreduced notes; only handwritten notes are allowed.
- (3) There will be 10 multiple choice questions on the exam. To receive credit for a problem you will have to mark the correct answer **and** show plausible work leading to this answer. There will be no partial credit.
- (4) **Important:** The exam will have a 0th page which you should first tear off and then use to record your answers so that you can check these against the correct ones which will be posted on the course web page. When I post the answers I will also post some recommendations concerning whether to consider dropping the class. I recommend checking your answers soon after 1 p.m., since the day of the exam is the last day to drop the course through Courses in Touch.

Scope of the exam and advice on how to prepare for it:

- (1) The exam will cover the material in sections 13.6, 14.1, 14.2, 14.3 and 14.4; it will not deal with Kepler's laws at the end of section 14.4.
- (2) I would recommend trying to become comfortable with how to do all the core homework problems on the syllabus for the above sections. If you don't have time for all of these, I will make some specific recommendations below.
- (3) Concerning section 13.6, do problems 21 - 28 on page 874.
- (4) Concerning section 14.1, do problems 5 and problems 19-24 on page 891 in addition to problem 39 on page 892.
- (5) In section 14.2, do problem 31 on page 897.
- (6) In section 14.3, do problems 9, 15, 27, 41 and 43 on pages 904 and 905, but skip the computer part of problem 43 unless you are interested in this.
- (7) In section 14.4, do problems 27 and 33 on page 915.