Honors Calculus I – Fall 2014 – Semester Plan

**Week 1** Sept 2, 4: Infinite series (FKP Sections 1.1-1.4). HW1 assigned 9/4.

**Week 2** Sept 9, 11: Improper integrals (FKP Sections 1.5-1.8). HW1 due by start of recitation 9/12. HW2 assigned 9/11.


**Week 5** Sept 30, Oct 2: Basic concepts of linear algebra (Lay Sections 1.1-1.4). HW4 due by start of recitation 10/3. No new HW assigned.

**Midterm 1** The first midterm will occupy the entire class period on Tues 10/7, covering FKP Chapters 1-3. No electronic devices permitted, however you may bring one sheet of notes (8.5 x 11, both sides, any font).

**Week 6** Thurs Oct 9: More basic concepts of linear algebra (Lay Sections 1.5-1.6). HW5 assigned 10/9.

**Week 7** Thurs Oct 16: More basic concepts of linear algebra (Lay Sections 1.7-1.10). HW5 due by start of recitation 10/17. HW 6 assigned 10/16. (There is no class Tues 10/14 due to fall break.)


**Week 9** Oct 28, 30: More matrix algebra, and start determinants (Lay Sections 2.4-2.5 and 3.1). HW7 due by start of recitation 10/31. HW8 assigned 10/30.

**Week 10** Nov 4, 6: Finish determinants, start vector spaces (Lay Sections 3.2-3.3 and 4.1-4.2). HW8 due by start of recitation 11/7. HW9 assigned 11/6.


**Midterm 2** The second midterm will occupy the entire class period on Tues 11/25, covering (only) the linear algebra covered to date. No electronic devices permitted, however you may bring one sheet of notes (8.5 x 11, both sides, any font). Note: there is no class on 11/27 (Thanksgiving).

**Week 13** Dec 2, 4: Dot products, cross products, and vector-valued functions (selections from FKP Chapters 4 and 5). HW11 due by start of recitation 12/5. HW12 assigned 12/4.

**Week 14** Dec 9, 11: More on vector valued functions (from FKP Chapter 5), catch up, and review. HW12 due by start of recitation 12/12.

**Final Exam** According to the NYU registrar’s website, ours is Thurs 12/18, 4-5:50pm. It will cover the entire semester’s material. No electronic devices permitted, however you may bring 3 sheets of notes (8.5 x 11, both sides, any font).