NSC 204 (CMSE 201) Course Calendar, Spring 2016

Section 001 (Prof. Hirn) is on Tuesdays and Thursdays from 12:40-2:30 p.m.
Section 002 (Prof. O’Shea) is on Mondays and Wednesdays, from 10:20 a.m. -12:10 p.m.
Both sections are in room 019 Natural Resources Building.

Note: This calendar is subject to change, particular in the second half of the semester.

Week 1:    Mon./Tues. 1/11: Course intro; what is a model?

Week 2:    Mon./Tues. 1/18: no class (Martin Luther King day)

Week 3:    Mon./Tues. 1/25: Python modules, making plots.
           Wed./Thurs. 1/27: Boolean logic and loops, I

Week 4:    Mon./Tues. 2/1: Boolean logic and loops, II
           Wed./Thurs. 2/3: Functions

Week 5:    Mon./Tues. 2/8: Modeling simple motion (calculating integrals)
           Wed./Thurs. 2/10: Calculating derivatives

Week 6:    Mon./Tues. 2/15: Root-finding
           Wed./Thurs. 2/17: Strings

Week 7:    Mon./Tues. 2/22: Files and file manipulation, statistics
           Wed./Thurs. 2/24: Thinking about (and working with) data

Week 8:    Mon./Tues. 2/29: Fitting data to models
           Wed./Thurs. 3/2: Random numbers
SPRING BREAK:  Mon./Tues. 3/7: no class (Spring break)
               Wed./Thurs. 3/9: no class (Spring break)

Week 9:      Mon./Tues. 3/14: Monte Carlo
            Wed./Thurs. 3/16: Agent-based modeling, I

Week 10:     Mon./Tues. 3/21: Agent-based modeling, II
            Wed./Thurs. 3/23: Semester project intro; Ant motion model

Week 11:     Mon./Tues. 3/28: More complex agent-based models; semester project proposal due
            Wed./Thurs. 3/30: More complex models; global warming.

Week 12:     Mon./Tues. 4/4: Empirical models, I
            Wed./Thurs. 4/6: Empirical models, II

Week 13:     Mon./Tues. 4/11: Zombie Outbreak, I
            Wed./Thurs. 4/13: Zombie Outbreak, II; Semester project roundtable.

Week 14:     Mon./Tues. 4/18: Topic driven by student interest, I
            Wed./Thurs. 4/20: Topic driven by student interest, II

Week 15:     Mon./Tues. 4/25: Student presentations, I
            Wed./Thurs. 4/27: Student presentations, II

FINALS:      Week of 5/2: Final exam (date/time/location depends on section; may be used for further presentations)