**Quiz, Midterm, and Final Exam Guidelines**

**Grades:** At least 2/3 of all the students in your class intend to take Math 226, which is a required course for their major. Please assign a grade of C- or lower to students who will not be ready to take calculus.

You are responsible for deciding how grades should be determined, meaning the weighting of the homework, quizzes, midterm(s), and final exams. See the sample syllabus template for strongly recommended weights. The WileyPLUS homework should have a positive weight (20--25\% is typical).

There will be midterm and final exam templates with questions constructed with your input. You will be asked to include a portion of the questions in the template, and you will have the freedom to include additional questions. You are responsible for administering and grading your exams. The final exam will be comprehensive, meaning that it will cover the entire course, not just what was covered since your last midterm exam.

**Quizzes:** Give short (10-15 minute) weekly or bi-weekly quizzes consisting of a few representative homework problems. This:

1. gives students frequent feedback from a human (rather than a computer.)
2. encourages students to see homework as a learning experience and not just a way to earn points.
3. discourages students from “gaming” the online homework system.
4. provides a way to discourage absences on Fridays (if you give the quiz on Fridays!)
5. provides frequent feedback to the instructor on how individual students are doing and on how the class is doing as a whole.

**Midterm Exams:**

Exams will contain problems including contextual problems (i.e. word problems) addressing the following topics:

**Midterm 1 (suggested at the end of weeks 1-6)**

1. Determine the domain and range of functions.
2. Move between different representations of functions (algebraic, tabular, graphical).
3. Draw conclusions (roots, intercepts, vertical asymptotes, holes, end behavior etc) from graphs of functions.
4. Draw conclusions on the effect of transformations on graphs of functions.
5. Decompose a function into simpler functions using composition.
6. Compute the formula of the inverse of simple (invertible) functions and draw the graph of the inverse of a function from the graph of the original function.

**Midterm 2 (suggested at the end of weeks 7-11)**

1. Compute the formula of the inverse of simple (invertible) functions and draw the graph of the inverse of a function from the graph of the original function.
2. Compute equation of a line from two points on the line.
3. Find roots and analyze end behavior of simple polynomial functions
4. Identify roots, holes, vertical asymptotes and analyze end behavior of simple rational functions.

**Final Exam**

1. Include topics from Midterm 1 and Midterm 2
2. Topics on exponential and logarithmic functions (*coming soon)*