## Calculus I Math 30 Pitzer College Fall 2017

Time and Place: MWF 9:00–9:50, Fletcher 106 Instructor: Professor Jim Hoste, B 205, x73258, jhoste@pitzer.edu Office Hours: MW 11-12; F 1-2; and by appointment Required Texts: *Calculus in Context*, Callahan and Hoffman; Recommended Text: *mathematica DeMYSTiFieD*, Hoste;

This is a first course in calculus and will introduce limits, the derivative, integration, and the Fundamental Theorem of Calculus. Moreover, we will approach these topics in the context of real-world problems and investigate solutions numerically with the aid of computers. The book is out of print, but is available on-line at http://www.math.smith.edu/~callahan/intromine.html. We will be covering the first six chapters of the book.

We will use the mathematical software, *Mathematica*, for all of our numerical computations. The software is available, free of charge, from Pitzer's IT department. To obtain the software, contact help@pitzer.edu or go to the IT office in the basement of Scott Hall. Explain that you are in Calculus I or II, that you are using *Mathematica* for the class and that you need a copy for your own laptop. Be sure to specify if you are running Mac OS, Windows, or Linux. The IT department will help you get the software and install it.

Grades will be based on two midterm exams and a final exam. Each midterm will count for 35% of the grade and the final exam for the remaining 30%. Homework will be assigned regularly but need not be turned in and will not be graded. Instead, students are encouraged to ask about the homework exercises in class and during office hours. Tests will be based primarily on the homework exercises. The midterms will be part in-class and part take-home exams. The first midterm will be September 29 and the second will be November 10. The Final Exam will be during the regularly scheduled time: Friday, December 15, 9 am to noon.

At Pitzer we strive to provide an accessible learning experience for all students. If you anticipate or experience physical or academic barriers based on a documented access/disability need, you are welcome to contact Pitzer Academic Support Services at academicsupport@pitzer.edu to explore reasonable accommodation.