**Math 140 Calculus I**

Instructor: Dr. Long Nguyen

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Time and Location: MTWTh, 5:45PM-7:30PM in University Hall Y04-4110

Office Hours: By appointment.

**Textbook: Single Variable Calculus, by James Stewart. 7th Edition.** ISBN-13: 978-0538497831. A Student Solutions Manual is also available for purchase.

**Prerequisite:** Math130 with B or better OR Alex with a score of 76 or better. Admission to the course is contingent upon satisfying the prerequisites. The rule is strictly enforced: if you don’t have the prerequisites, the registrar will drop you from the course. It is in your best interest to be prepared for Math140. Strong algebraic skills and knowledge of trigonometry are essential to your success in Math140.

**Course Description**: This course is an introduction to differential and integral calculus. It begins with a short review of basic concepts surrounding the notion of a function. Then it introduces the important concept of the limit of a function, and uses it to study continuity and the tangent problem. The solution to the tangent problem leads to the study of derivatives and their applications. Then it considers the area problem and its solution, the definite integral. Applications of integrals are also covered. The course concludes with the calculus of elementary transcendental functions.

**Homework:** Homework is given at each lecture. To succeed in this class, you must do all of your homework. Questions from exams are motivated by the homework. Written homework can be found on Blackboard. There is an online homework component on Webwork. Webwork requires a login. Please see me to get your login information. More details can be found on Blackboard.

Webwork URL: https://webwork2.umb.edu/webwork2/m140-ln/

**Grading:** All grades will be posted on Blackboard.

20% Webwork; 45% 2 Exams; 35% Final Exam

**Exams** All exams are closed book and closed notes. Missing any graded event will result in a grade of zero. The only exception is prompt presentation of a valid written medical excuse; then there will be no penalty. Please inform me well in advance of any scheduled exam if you have a conflict. Dates for exams will be announced in lecture. The final exam is scheduled on August 24, 2017, the last day of class. Please do not make travel plans before the exam date.