MATH 15200 SECTION 45 SYLLABUS

Class Times and Location: MWF 11:30am - 12:20pm in Hinds 184
Instructor: Reid Harris
      Office: E 127 (on the first floor of Eckhart)
      Email: reidh@math.uchicago.edu
      Office Hours: Mondays (4-5pm) and Tuesdays (2-3pm)
      Course Website: `math.uchicago.edu/~reidh/Math15200/Homework`
      Textbook: *Calculus: One and Several Variables* by Salas, Hille, Etgen, *10th Edition*
Problem Session: Thursdays (4-5pm) in Ryerson 352

Course Overview: Calculus can be boiled down to the study of limits. There are three main topics that such courses focus on: derivatives, integrals, and sequences/series. Math 15200 will focus on integrals. Topics to be discussed include the definition of integral, evaluating integrals by substitution and integration by parts, transcendental functions such as the logarithm and exponential, applications of integrals such as calculating area and volume, and (possibly) some simple differential equations.

Homework: Homework will be assigned every week. Late homework (> 24 hours) will not be accepted. You may work on homework together, but solutions must be written up independently. The lowest 2 homework grades will be dropped (these are in case of illness, so plan wisely). You will be able to find the assigned homework at the following link:

$$\texttt{math.uchicago.edu/~reidh/Math15200.}$$

Tests/Quizzes: There will be 2 in-class midterms and a final exam. A 5 to 10-minute quiz will be given every Friday. The lowest quiz grade will be dropped. There will be no make-up quizzes with the exception of extreme circumstances (Let me know before the quiz is given, if possible.) I do not allow quiz redos after the quiz has already been given.

Projects: A list of projects will be given out in the middle of the quarter. These could include topics not discussed in class or an application of a topic discussed in class. Any topic that you wish to pursue not on the list will need my approval first. These will usually be a written explanation of the topic.

Letter Grade Breakdown: Grades will only be curved upwards. You will be guaranteed at least an
- A- if you make at least a 90% or higher final average,
- B- if you make at least a 80% or higher final average,
- C- if you make at least a 70% or higher final average,
- D if you make at least a 60% or higher final average.

Disclaimer: This is not a guarantee that I will implement a curve.

Grade Weights: Grades will be weighted as follows.
    Midterms: 20% each
    Final Exam: 30%
    Quizzes: 10%
    Homework: 10%
    Project: 10%

Tentative Midterm Dates:
- Friday, January 31 (Week 4)
- Friday, February 28 (Week 8)

The final exam will (tentatively) be **Wednesday, March 18, 10:30am - 12:30am** in the same classroom as lectures are given (Hinds 184) or as listed on the university website: `https://registrar.uchicago.edu/final-exams`.

Other important dates:
Monday, January 6: Winter Quarter Begins
Monday, January 20: Martin Luther King, Jr. Day
Friday, Februrary 14: College Break
Thursday-Friday, March 12-13: College Reading Period
Saturday, March 21: End of Quarter

IMPORTANT: It is the policy of the Department of Mathematics that the following rules apply to final exams in all undergraduate mathematics courses:

(1) **The final exam must occur at the time and place designated on the College Final Exam Schedule. In particular, no final examinations may be given during the tenth week of the quarter except in the case of graduating seniors.**

(2) **Any student who wishes to depart from the scheduled final exam time for the course must receive permission from Robert Fefferman. Instructors are not permitted to excuse students from the scheduled time of the final exam except in the case of an Incomplete.**