MATH / 16300 - 30: Honors Calculus-3

Basic Course Information
Meeting Time: TR 10:30-11:50
Meeting Location: Ryerson Physical Laboratory, Room 358
Text: (none)
Web Site: http://math.uchicago.edu/~mcreek/spring_2016/math_16300/index.html
Clinic Time: F 17:00 - 18:00
Clinic Location: Eckhart Hall, Room 312

Instructors
Title: Instructor College Fellow
Name: Matthew Creek Anthony Yuming Wang
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Phone: (773) 702-7346 (N/A)
Office Hours: T 09:00 - 10:00, 15:30 - 16:30 M 16:00 - 17:00
R 09:00 - 10:00, 16:30 - 17:30 W 16:00 - 17:00
and by appointment and by appointment

Course Description
This is the third of three parts of the University of Chicago’s honors sequence in calculus in the Inquiry-Based Learning (IBL) format. As before, the role of the instructor will be to facilitate and moderate discussions, as well as to ask leading questions as needed to advance discussions. We shall study the integration of functions of a single variable, leading to the celebrated fundamental theorem of calculus. We shall then discuss the calculus of several variables and, time permitting, series of real numbers.

You will also have written work to submit. This work should be typeset using the \LaTeX program. Students are encouraged to work together on written work, provided that each student independently writes up his own solution for submission. Late work will not be accepted under any circumstances. Please do not try to challenge this policy.

Our College Fellow will run a hebdomadal problem-solving clinic for this course. No new material will be presented in this clinic; instead, its purpose is to give a forum for students to ask questions regarding the material covered during normal class time. In addition to this, the instructor and the College Fellow will each hold several office hours per week. We are always happy to work with students who are putting forth an effort, so please do take full advantage of these opportunities for assistance.

Grading
Your grade in this course will be determined by the following criteria in equal measure:

- Classroom participation (including both quality and quantity of presentations, as well as general contributions to classroom discussions);
- Submitted written work (including both journals and problem sets); and
- Final Examination (Tuesday, 06/07/2016, 10:30-12:30 + individual oral component)

Departmental Boilerplate
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. Instructors are not permitted to excuse students from the scheduled time of the final exam except in the cases of an Incomplete.