CALCULUS HONORS SEMINAR
M 183, FALL 2014
SYLLIBUS

The objectives of this course are to explore Calculus in more detail than a regular Calculus course provides. To achieve this we will look more deeply into applications of Calculus in the fields of science and engineering. A list of application problems out of the text will be passed out on the first day of class the students will take turns presenting these problems to the rest of the class. The manner of presentation is up to the student, but accuracy and proper methodology is required during presentation. It is up to the students to decide who will present what problem, but it is expected that all students will participate some what equally in these presentations. It is assumed that not every problem will be solved completely, what is important is that the presenter has truly tried and faithfully reports their findings to the class.

The students will also hand in a paper at the end of the course that details the impact Calculus has had on their major field of study. This paper should include breakthrough’s in their field that were made possible by use of Calculus, past and current contributions that have been made possible by the use of Calculus, and any areas where someone working in their field would make use of Calculus in today’s world. The length of this paper is up to the student, but the student should keep in mind that using many words to say little is just as bad as saying little with few words. The latest this paper may be turned in is Wednesday December 19th at 12:00 NOON; Papers turned in earlier will be gladly accepted.