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**Mathematics 4209 “Advanced Calculus I”, Spring 2018.**

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**Lecture:** MWF in ROLLA-G5 from 2 to 2:50 in the afternoon. The class website is

<http://web.mst.edu/~bohner/math4209-18/math4209.html>.

**Office Hours:** MWF in ROLLA-106 from 3 to 3:50 in the afternoon. Also by appointment. Appointments may be scheduled in person, by phone, or via e-mail.

**Text:** Lecture notes are available in class and on the website.

**Description:** The real number system, sequences, continuity, differentiability, integrability, infinite series of real numbers, and infinite series of functions.

**Homework Assignments:** There will be at least 10 weekly homework assignments. They are available in class (and as PDF Files on the lecture’s website). Homeworks will be collected and selected problems will be graded. Instead of collection of homeworks, there may be a quiz during class on the homework material.

**Hour Exams:** There will be 3 exams during class. These exams will be announced at least one week in advance.

**Final Exam:** The final exam is comprehensive and will be on Tuesday, May 8 from 3 to 5 in the afternoon.

**Attendance Policy:** You are expected to attend every class period. If you know in advance that you will not be able to attend, let me know. With two absences from class, you will receive an academic alert. With four absences from class, you will be dropped from the class.

**Grading Policy:** Each of the ten homework assignments is worth 50 points, each of the three hour exams 100 points, and the final exam 200 points. Hence the emphasis on the final amount of points is weighted as follows:

Homework	Hour Exams	Final
50%	30%	20%

Altogether 1000 points are available. The accumulated scores may be found on the lecture’s website (using a personal password). Note that these scores as well as estimated final grades are updated weekly. If  $p$  is the final (relative) amount of points, the final (estimated) grade will be determined according to the following table:

F	D	C	B	A
$p < 600$	$600 \leq p < 700$	$700 \leq p < 800$	$800 \leq p < 900$	$p \geq 900$