

M182Q-2: Honors Calculus II (Spring 2014)

Class Schedule: MF 2:10–3pm, 148 Gaines Hall, TuTh 3:05–3:55pm, 030 Gaines Hall

Instructor: Lukas Geyer, 2-254 Wilson, Tel. *5342, geyer@math.montana.edu

Office Hours: M 3–4, Tu 10–11, Th 11–12 (in the Math Learning Center)

Website: All assignments and relevant announcements will be posted on D2L. The most important information will also be on <http://www.math.montana.edu/~geyer/2014/spring/182.html>

Textbook: Jon Rogawski, *Calculus: Early Transcendentals*, 2nd edition.

Prerequisites: A in M171 or B (or better) in M181.

Course Grading: 100 points on weekly quizzes, 100 points on homework assignments, in-class participation, presentations etc., 100 points each on two midterm exams, 200 points on the final, 600 points total. You need 93% for an A, 90% for an A-, 87% for a B+, 83% for a B, 80% for a B-, etc.

Final Exam: Tuesday, April 29, 8–9:50am.

The tests and final exam are closed-book, but you may use a letter-sized “cheat sheet” for each of them.

The material covered in this class will include techniques and applications of integration, infinite series, some basic differential equations, and an introduction to parametric equations and polar coordinates. We will start with a short review of chapter 5 (The Integral), and then cover chapters 6–11 in the textbook.