COURSE SYLLABUS

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YEAR COURSE OFFERED: Winter

SEMESTER COURSE OFFERED: 2018

DEPARTMENT: Mathematics

COURSE NUMBER: MATH 1451: Section 18804

NAME OF COURSE: Accelerated Calculus

NAME OF INSTRUCTOR: Dr. Anna Vershynina

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The information contained in this class syllabus is subject to change without notice. Students are expected to be aware of any additional course policies presented by the instructor during the course.
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Major Assignments/Exams

Quizzes: 15%
Midterm 1: 25%
Midterm 2: 25%
Final: 35%

Required Reading

"Calculus. Early transcendentals" by James Stewart 6th edition (2008) ISBN 0-495-01166-5

List of discussion/lecture topics

The following list is subject to change:
-Functions of several variables
-Partial derivatives, chain rule
-Directional derivatives, gradient
-Maximum, minimum values, Lagrange multipliers
-Multiple integrals
-Line integrals, Green's theorem, curl and divergence
-Surface integrals, Stroke's theorem