

UNIVERSITY OF REGINA
DEPARTMENT OF MATHEMATICS & STATISTICS

Mathematics 111 - 002

Calculus II

Winter 2017

A continuation of Math 110. Topics include volumes of revolution, exponential, logarithmic, and inverse trigonometric functions, L’pital’s rule, methods of integration (parts, trigonometric, trigonometric substitution, partial fractions), improper integrals, arc length and volumes and areas of solids of revolution, infinite sequences and series (convergence tests, power series, Taylor series), parametric equations and polar coordinates.

- Prerequisites:** *Math 110.*
- Professor:** Martín Argerami
- Contact:** *email:* argerami@uregina.ca
Office: College West 307.11
web page: <http://ev03023.math.uregina.ca/201710-111/>
(accessible via UR Courses)
- Lectures:** Tuesday and Thursday, 8:30 to 9:45, CL 128
- Lab:** Monday, 11:30 to 12:20, CL 127
- Office Hours:** Tuesday and Thursday, 10:00 to 12:00,
or by appointment.
- Textbook:** *Calculus,* by J. Stewart, 8th Edition.
- Syllabus:** From the text, chapters 5–8, 10, 11 (some sections not taken)
- Grading Scheme:** 20% Quizzes (best 4 out of 5)
15% Midterm 1 (Feb 13th)
15% Midterm 2 (Mar 27th)
50% Final Exam (Apr 22th, 14:00–17:00)
- Quizzes:** At the lab:
Jan 23, Feb 6, Mar 6, Mar 20, Apr 3.
- Assignments:** they will be published every Thursday,
not to be handed in.