Calculus 1

Syllabus


Instructor: Dr. Arkady Kitover

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Office hours: MW, 5:00 – 6:00 or by appointment

Contents: Chapters 1 - 5
Limits, Derivatives, Transcendental functions, Applications of derivative. Antiderivatives and definite integrals.
Chapter 8 (section 8.8).
Applications of Taylor and Maclaurin polynomials.

Tests:
Test 1. Limits. 40 points with possibilities for extra credit.
Test 2. Rules of differentiation. 40 points with possibilities for extra credit.
You will need a scientific calculator for test 3.

Departmental final – 100 points.
Grading: Average of all tests.
A 90%-100% (216 – 240 points)
B 80%-89% (192 – 215 points)
C 70%-79% (168 – 191 points)
D 60%-69% (144 – 167 points)
F Less than 60% (less than 144 points).

No matter what is your average, you will not get an “A” or a “B” if you get less than 50% or 40%, respectively, on the departmental final.

If you miss a test I will give you a possibility to take it only if you have a valid and documented excuse.

Please no food in the class room.

Put your cell phones in vibration mode before the class starts.

What you have to repeat from precalculus.
(Chapters’ numbers are given for the book of Larsen and Hostetler “Algebra and Trigonometry”, the fifth edition. You can use any other precalculus textbook).

Chapter 2. Functions and their graphs (functions, graphs, translations and combinations, compositions, inverse functions).

Chapter 5. Exponential and logarithmic functions and their graphs, properties of logarithms.

Chapter 6. Angles and their measure. Graphs of basic trigonometric functions.