# Fall 2018 Math 155, Calculus II Section 02 Course information

Instructor: Prof. Ilya Kapovich

M, Th, 9:10am-11am, Hunter West 615

Webassign Class Key: hunter 1358 2374

- Textbook: James Stewart, *Essential Calculus, 2nd Edition*, **with webassign**
- Prerequisites: Completion of MATH 150 or the equivalent with a grade of C or better
- Office hours: M, Th, 11am-12:30pm in the Mary Dolciani Center (7-th Floor of the Library, HE)
- Instructor contact info: e-mail ik535@hunter.cuny.edu (preferred way of reaching me), office phone 212-772-5303
- My office location: Hunter East 917 (but note the location of the office hours above is different!)
- Instructor webpage: http://math.hunter.cuny.edu/ilyakapo/
- Course announcements: We will use CUNY Blackboard for course announcements, posting additional course materials, etc. Please check there regularly.

- Course grading policy: There will be three midterms, the final exam, and Webassign homework. At the end of the course the lowest midterm exam grade is dropped. Homework counts as 10% of the course grade. The final exam counts as 45% of the course grade. Each of the two non-low midterm grades counts as 22.5% of the course grade.

- Missed exams and assignments: Homework will be assigned weekly, but the due dates for the assignments will be after the midterms that the material in those assignments covers. So you'll have plenty of time to do the homework and extension requests will **never** be granted.

   If you miss one midterm, for whatever reason, that midterm will count as your low midterm score and will be dropped at the end of the course. Generally, you may not complete this course without taking at least two midterms, and if you miss more than one midterm you will receive a WU grade for the course.
- Webassign section for this course allows self-enrollment. You must register with WebAssign for this section in order to submit h/wk using the following info:

   Instructor: Ilya Kapovich; Course: Math 155, section 002
   Class Key: hunter 1358 2374
- Final exam date/time: 12/20/2018, 11:30am - 1:30pm
- Tentative midterm exam dates: Th Oct 4, Th Nov 8, M Dec 10.

- Disabilities: If you have a disability that you believe requires special accommodations: In compliance with the American Disability Act of 1990 (ADA) and with Section 504 of the Rehabilitation Act of 1973, Hunter College is committed to ensuring educational parity and accommodations for all students with documented disabilities and/or medical conditions. It is recommended that all students with documented disabilities (Emotional, Medical, Physical and/ or Learning) consult the Office of AccessABILITY located in Room E1214B to secure necessary academic accommodations. For further information and assistance please call (212-772-4857)/TTY (212-650-3230)

**Course Syllabus**

(1) 5.1 Inverse functions
(2) 5.2 The natural logarithmic function
(3) 5.3 The natural exponential function
(4) 5.5 Exponential growth and decay
(5) 5.6 Inverse trigonometric functions
(6) 5.8 Indeterminate forms and LHospitals rule
(7) 6.1 Integration by parts
(8) 6.2 Trigonometric integrals and substitutions
(9) Exam I
(10) 6.3 Partial fractions
(11) 6.5 Approximate integrals
(12) 6.6 Improper integrals
(13) 7.4 Arc length
(14) 7.5 Area of a surface of revolution
(15) 7.6 Applications to physics and engineering
(16) 8.1 Sequences; 8.2 Series
(17) 8.3 The integral and comparison tests
(18) Exam II
(19) 8.4 Other convergence tests
(20) 8.5 Power series
(21) 8.6 Representing functions as power series
(22) 8.7 Taylor and Maclaurin series
(23) 8.8 Applications of Taylor polynomials
(24) 9.1 Parametric curves; 9.2 Calculus with parametric curves
(25) 9.3 Polar coordinates
(26) EXAM III