

**Calculus with Analytic Geometry 2**  
**Course Outline**  
**MATH 155 Section 08[60330], Fall 2015**  
**Tuesdays and Thursdays 7:35PM - 9:25PM, Room: HW603**  
**CUNY Hunter College**

**Instructor:** Byung Do Park

**Email:** [bpark@gradcenter.cuny.edu](mailto:bpark@gradcenter.cuny.edu)

**Office Hours:** By appointment.

**Course Syllabus:** The departmental course syllabus and the course calendar is available at:  
<http://math.hunter.cuny.edu/mbenders/M155BriggsLecture.pdf>

**Section webpage:** Announcements, homework, exam schedules and other relevant information will be posted on the following webpage: <http://wfs.gc.cuny.edu/bpark/www/>

**Textbook:** Briggs, Cochran, and Gillett, *Single Variable Calculus*, 2nd Edition, with **MyMathLab**, Pearson Publishing, ISBN-10: 0321965140

**Course description:** There are two main themes in this course. Assuming familiarity on the fundamental theorem of calculus and a few calculation techniques, we shall study technical aspect of integration: Calculating volumes, length of curves, surface areas, and useful integration techniques such as integration by parts. There will be an interlude on inverse, logarithmic, and inverse trigonometric functions. After that, we will revisit the concept of limit in the context of sequences for convergence tests of series. This will lead us to the discussion on approximating any function in terms of polynomials if the given function is nice enough. Finally we shall learn calculus in polar coordinate system. If time permits, we shall cover special topics for this course such as Fourier series, Fourier transforms, or first-order ordinary differential equations. The instructor may also give presentations using MAPLE or MATLAB to visualize some of concepts.

**Exams:** There will be *two* in-class midterm exams and an in-class final exam. Location, date and time will be announced as soon as determined. Generally speaking, exam dates follow the schedule in the course calendar, except that the final exam will be given during the final exam week. There is no uniform final exam for this course.

**MyMathLab:** The homework will be given primarily through MyMathLab. Each student should create an ID for MyMathLab and registered for the course with the course ID **park81066**. There will be no extension of deadline for any reason, as the deadline will be normally at least two weeks after the posted date.

**Homework and Quizzes:** In addition to MyMathLab homework, the instructor may give “classical” homework and/or in-class quizzes (which will be announced in advance) to be submitted in a written form. Late homework sets will be accepted.

**Grading Policies:** Please see the course syllabus for MATH 155, “Suggested policy on Homework, Exams, Grade.” The instructor will follow this suggestion except that the weight of each item will be as the following:

20% from Exam I, 20% from Exam II, 40% from Exam III (Final exam), 15% from MyMathLab,  
5% of classical homework and quizzes.

**Instructor’s policies:** Cell phones are not allowed to use in class. Electronic devices should not be shown in any exam.

**Important dates:**

- Thursday, September 10th: No class — CUNY Monday
- Tuesday, September 15th: No class — Rosh Hashana
- Tuesday, September 22nd: No class — Yom Kippur
- Friday, September 25th: Class meets — CUNY Tuesday
- Thursday, November 26th: No class — Thanksgiving day
- Tuesday, December 15th: No class — Reading day