Math 108 – Calculus I (Eng)
Johns Hopkins University
Summer 2018 Course Syllabus

Instructors

Dr. Joseph Cutrone   Email: jcutron2@jhu.edu

Ms. Alexa Gaines   Email: againes8@jhu.edu

Office hours: Online, by appointment.

Online Lectures

Lectures will be online, in a blended format. There will be live synchronous sessions throughout the summer semester, with dates posted in the course calendar. There will also be pre-recorded lectures posted as well. There will be a live homework review session each Thursday, 4:30-5:30pmET The course runs from Monday June 11 until Sunday August 5.

All links to online sessions will be posted in Blackboard calendar for that day.

Textbook

Single Variable Calculus: Early Transcendentals James Stewart, 8th Edition, Brooks/Cole, 2010. ISBN-13: 978-1-305-27033-6

Additional Learning Outcomes:

By the conclusion of this course, you are expected to have gained the ability to:

- Interpret a function from an algebraic, numerical, graphical and verbal descriptions.
- Calculate the limit of a function at a point numerically and algebraically using appropriate techniques including l'Hospital's rule.
- Compute the expression for the derivative of a function using the rules of differentiation Including the power rule, product rule, and quotient rule and chain rule.
- Determine the convergence or divergence of infinite sequences and series.
- Apply the derivative to solve problems in curve sketching, optimization, and related rated.
- Understand antiderivatives as the inverse of differentiation using the Fundamental Theorem of Calculus, and apply these concepts to applications involving areas and distances.

Homework

Homework will be assigned each week. Late homework will be accepted only with an exceptionally good excuse. Points will be deducted for any late homeworks. Your lowest homework grade will be dropped.

Exams

There will be 2 mid-term exams. The first exam will be sent on July 5 to proctors and will need to be returned no later than July 8. The second exam will be send to proctors on July 19th and will need to be returned no later than July 22. There will be a cumulative final exam emailed to proctors on Thursday August 2 to be returned by August 5th. Late exams will be deducted 10 points per day. After one day, the grade is a zero with no retakes.

Quizzes
There will be a short 15-minute online quiz each week. Your lowest quiz grade will be dropped.

Grading
Your final grade for the class is determined as a weighted average as follows:
- homework: 20% (lowest dropped)
- quizzes: 15% (lowest dropped)
- first mid-term: 20%
- second mid-term: 20%
- final exam: 25%

The letter grades are assigned as follows based on your final weighted average:
- A: 90-100
- B: 80 - 89
- C: 70 - 79
- D: 55 - 69
- F: < 55

"+" and "-" will be determined at the end of the semester.

Support
There are many sources of help and support if you are having difficulty with the class, material or anything else. These include:
- office hours: Online, by appointment
- The Learning Den: http://www.advising.jhu.edu/
- Office of Academic Support: http://academicsupport.jhu.edu/- See the support page for more info

Please do not feel shy about asking for help, or just checking that you understand something correctly.

Absences
Attendance in live online lectures is preferred but all sessions will be recorded so you can watch at any time. There will be no make-up exams. If you have a valid excuse to miss an exam, you must provide a letter from the Office of Academic Advising verifying this. In this case, your grade for the exam will be the weighted average of your grades in the other exams. If you miss an exam without a valid excuse, your grade will be zero.

Special Aid
Students with disabilities or other special needs who require classroom accommodations or other arrangements must make this known to me as soon as possible at the beginning of the semester, and be registered with the disability coordinator in the Office of Academic Advising.

Collaboration
Collaboration on homework is allowed and encouraged. However, each student must write up his/her solutions to the problems individually and in his/her own words - copying from another student's paper is prohibited. Homework is an essential part of learning the course material.

Failing to give it proper attention will significantly harm your performance on the exams and your overall grade for the class.

Students with Disabilities

Students with documented disabilities or other special needs who require accommodation must register with the Office of Academic Advising. After that, remind the instructor of the specific needs at least one week prior to each exam; the instructor must be provided with the official letter stating all the needs from the Office of Academic Advising.

JHU Ethics Statement

The strength of the university depends on academic and personal integrity. In this course, you must be honest and truthful. Ethical violations include cheating on exams, plagiarism, reuse of assignments, improper use of the Internet and electronic devices, unauthorized collaboration, alteration of graded assignments, forgery and falsification, lying, facilitating academic dishonesty, and unfair competition.

Report any violations you witness to the instructor. You may consult the associate dean of students and/or the chairman of the Ethics Board beforehand. Read the "Statement on Ethics" at the Ethics Board website for more information.