# Math 119 - Elements of Calculus
# General Course Information

**Instructor:** Constance Leidy
**Time:** Mondays, Wednesdays, and Fridays, 10:50-11:40am
**Location:** Exley Science Center 638
**Office:** Exley Science Center 641
**Office Hours:** Mondays and Tuesdays, 3-4pm and by appointment
**E-Mail Address:** cleidy@wesleyan.edu
**Textbook:** *Essential Calculus, Second Edition*, by James Stewart

## Course Description

This course is the first half of a two-semester calculus sequence. This sequence is designed for students who have not previously studied calculus. The course, together with Math 120, will cover limits, derivatives, and integrals. Exponential, logarithmic, and trigonometric functions will be introduced and their calculus will be studied. Applications of calculus to biology, economics, physics, and/or other fields will be emphasized.

**Completion of both semesters (Math 119 and Math 120) is required to receive credit for MATH 119.** Students may not receive credit for both Math 119/120 and Math117/118, or both Math 119/120 and Math 121. Upon completion of Math 119/120, students may continue in Math 122, and afterwards to higher level mathematics courses. Any student with prior study of calculus (but wishing to begin again) should enroll in Math 121.

## Homework

Homework is an important part of any math class. It is important that you practice working on problems. This will help you to understand the material better and will prepare you for the exams. You are encouraged to discuss the homework, and to work together on the problems. However each student is responsible for the final preparation of his or her own homework papers.

Homework assignments will be posted on Moodle, which can be accessed through your portfolio. It will generally be due on Mondays. If for some reason you miss class or cannot turn in the homework during class, you have until 5pm that day to put it in the CA's mailbox in the Math Lounge on the sixth floor of the Exley Science Center. After that time, **late homework will not be accepted,** however the lowest homework grade will be dropped. After the homework is submitted, solutions will also be posted on Moodle.

## Help Sessions

The course assistants will run evening homework sessions on Sundays, 7-9pm, and on Tuesdays and Thursdays 7:30-8:30pm. All help sessions will be in Exley 638. This is a great place to work with other students on the homework, and I encourage you to make it a regular part of your weekly schedule. The course assistants will be available to answer questions that you may have while working on the homework.

## The Math Workshop

The Math Workshop is located in the Science Library in the main floor conference room. It is open Monday through Thursday afternoons from 3:00 to 5:30pm and Sunday through Thursday evenings from 7:00 to 10:00pm. It is staffed by experienced undergraduates or math graduate students. This is a drop-in tutoring service, available to all members of the Wesleyan community. Staff members provide a friendly, relaxed atmosphere while answering questions about mathematics. The workshop is a good place to go when you get stuck on your math homework.

## Office Hours

I will hold office hours Mondays and Tuesdays, 3-4pm. I also have time available on Friday afternoons by appointment. In general, feel free to email me at cleidy@wesleyan.edu to make an appointment.

## Technology

It is not necessary to buy a calculator for this class. **You may not use calculators during exams.**

## Participation

An important part of this course is participating in the active learning environment. **Class attendance and participation is mandatory.** You will be given a "participation" grade based on your attendance and your participation.

## Quizzes

Occasional short quizzes will be given during some classes. They will be similar to the homework questions and are intended to give you feedback in advance of the exams. **Make-up quizzes will not be given,** but the lowest quiz grade will be dropped.

## Exams

Two midterms plus a final will be given. **If you have a conflict with an exam time, let me know at least one week in advance so that we can arrange an alternative exam time.**

- Exam 1 - Thursday, October 6, 7:30-9:30pm in Exley 121

- Exam 2 - Thursday, November 10, 7:30-9:30pm in Exley 121

- Final - Thursday, December 15, 2:00-5:00pm

## Skills Test

You will be given a "Skills Test" to confirm that you are able to manipulate algebraic and trigonometric expressions. You may take the Skills Test as many times as you need, but you must have passed it by 5 p.m. on the last day of classes, Friday, December 9. To pass a test you must answer at least 8 of 10 questions correctly. Each time you take the test, you will be given a different (but comparable) version of the test. The first sitting of the Skills Test will be on Monday, November 14.

## Course Grade Determination

**You must pass a Skills Test to pass this course.** The course grade will be computed as follows:

- Homework - 11%

- Class Participation and Quizzes - 12%

- Exam 1 - 22%

- Exam 2 - 22%

- Final Exam - 33%

# Students with Disabilites

Wesleyan University is committed to ensuring that all qualified students with disabilities are afforded an equal opportunity to participate in and benefit from its programs and services. To receive accommodations, a student must have a documented disability as defined by Section 504 of the Rehabilitation Act of 1973 and the ADA Amendments Act of 2008, and provide documentation of the disability. Since accommodations may require early planning and generally are not provided retroactively, please contact Disability Resources as soon as possible.

If you believe that you need accommodations for a disability, please contact Dean Patey in Disability Resources located in North College, room 021, or call 860-685-5581 for an appointment to discuss your needs and the process for requesting accommodations.

Please see http://www.wesleyan.edu/studentaffairs/disabilities/index.html for more information.