

Math 121: Calculus I, Part I

Section 3: Tuesday-Thursday, 1:10 – 2:30pm, Exley 121
Fall 2015

Instructor: Dr. Vince Guingona

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Office: 649 Exley Science Center

Office Hours: Wednesday 1-3pm, Thursday 3-4pm, and by appointment

Course Assistant: Asie Makarova

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Recitation: Sundays, 3:45 – 4:45pm, Exley 638

Office Hours: Wednesdays, 12 – 1pm, Exley 601

Teaching Assistant: Freda Li

TA Sessions: Tuesdays, 6:30 – 9pm and Wednesdays, 6 – 7:30pm, Exley 121

Textbook: *Essential Calculus*, Second Edition by Stewart.

Moodle: All course material for Math 121 will be online on [Moodle](#).

Introduction: I am your master of ceremonies and professor, Vince Guingona, and I welcome you to Math 121, *Calculus I, Part I!* To quote the course description:

MATH121 is designed for students who have completed a high school calculus course and who might pursue study in an area for which calculus is an essential tool but who are not prepared to place out of calculus. This course is a deeper and broader study of calculus than MATH117; theoretical aspects are not the main focus but will not be avoided. The course will, together with MATH122, treat limits, derivatives, and integrals; the calculus of exponential, logarithmic, trigonometric, and inverse trigonometric functions; techniques of integration; plane analytic geometry; various applications of calculus; sequences and series, including power series and intervals of convergence.

Homework: Homework will be assigned weekly and will typically consist of a list of problems from the textbook. Homework will be due on Thursdays by 5pm, to be turned into the box outside my office. Assignments may also be given to me in class on the day that they are due. Late homework will not be accepted. You are permitted to work on the homework in groups, but each person must write up and turn in her or his own solutions. Please show all of your work on each problem. Homework will be worth 20% of your total grade.

Exams: There will be two midterms and one final exam. The midterms will take place during class and will last the full 80 minutes. The first midterm is on **Thursday, October 15th** and the second midterm is on **Thursday, November 19th**. The night before each midterm, I will hold a review session, whose time and location will be determined during class. Each midterm will be worth 20% of your total grade. The final

will cover all the material from the entire course, though it will focus on the material covered after the second midterm. The final will take place on **Saturday, December 19th, from 2pm to 5pm**. The final will be worth 40% of your total grade. All exams are closed-book exams; please show all of your work. **No calculators will be allowed on exams.**

Grading: Your grade will be calculated with the following breakdown:

Homework : 20% – Midterm 1 : 20% – Midterm 2 : 20% – Final : 40%.

Your letter grade will be given by the following chart:

Grade	Letter
97 – 100%	A+
93 – 96.99%	A
90 – 92.99%	A-
87 – 89.99%	B+
83 – 86.99%	B
80 – 82.99%	B-
77 – 79.99%	C+
73 – 76.99%	C
70 – 72.99%	C-
67 – 69.99%	D+
63 – 66.99%	D
60 – 62.99%	D-
57 – 59.99%	E+
53 – 56.99%	E
50 – 52.99%	E-
0 – 49.99%	F

Tentative Class Schedule:

Week	Dates	Sections	Topics
1	9/8, 9/10	1.1, 1.2	Functions
2	9/15, 9/17	1.3, 1.4	Limits
3	9/22, 9/24	1.5, 1.6	Continuity and Limits at Infinity
4	9/29, 10/1	2.1, 2.2, 2.3	The Derivative
5	10/6, 10/8	2.4, 2.5, 2.6	Product, Quotient, and Chain Rules; Implicit Diff.
6	10/13	2.7	Related Rates
	10/15		Midterm 1
7	10/20, 10/22	2.8, 3.1	Linear Approximation; Maximums and Minimums
8	10/29	3.2	The Mean Value Theorem
9	11/3, 11/5	3.3, 3.4	Sketching Graphs
10	11/10, 11/12	3.5, 3.6	Optimization Problems; Newton's Method
11	11/17	3.7	Antiderivatives
	11/19		Midterm 2
12	11/24	4.1	Areas and Distance
13	12/1, 12/3	4.2, 4.3	The Definite Integral
14	12/8, 12/10	4.4, 4.5	The Fundamental Theorem of Calculus; Substitution

Getting Help: This is a fast-paced course, so you may occasionally need assistance with the material covered. There are several resources outside of the classroom to help you with this:

- **Office Hours:** I will hold office hours on Wednesdays from 1 to 3pm and on Thursdays from 3 to 4pm. I am also available at other times, but you will need to make an appointment via [email](#). Feel free to ask me any questions you have relating to the course during office hours.
- **Recitations:** The course assistant, Asie Makarova, will hold recitation sessions every Tuesday night (at a time and location to be determined). She will go over the homework and answer other questions you may have about the material.
- **Math Workshop:** The Math Workshop is located in the Science Library in the main floor conference room (Room 133A). It is staffed with undergraduate and graduate assistants who can help you with questions relating to homework and lectures.
- **Review Sessions:** Before each midterm and final, I will hold a review session to answer questions about the material. These will be scheduled in class about a week before the exam.

Special Accommodations Policy: According to official policy:

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.

If you require accommodations, please make an appointment with me during the first two weeks of class so that we can make the appropriate arrangements.

Wesleyan Honor Code: Please follow the Wesleyan Honor Code (*id est*, don't cheat!). For each homework and exam, the pledge states:

In accordance with the Honor Code, I affirm that this work has been completed without improper assistance.

See the [Student Handbook](#) for more information.

Conclusion: Thanks for signing up for my course. I hope we have an enjoyable semester together!

Last Updated: October 2, 2015