Course: MA 121: Calculus I   **Website:** nick.owad.org/Sp2020Calc.html

Professor: Nicholas Owad   **Email:** nick.owad@colby.edu

Email Office Hours: TuTh 12:00 - 2:00 and by appointment. More hours will be appointed soon.

If you are unable to attend these hours, please let me know and we will find a time that does. I know that many of your are in different time zones, so these might be spread out as we see when they best suit you.

Course Description and Prerequisites: Calculus is the result of centuries of intellectual effort to understand and quantify change, such as the position of a moving object or the shape of a curve. Competent users of calculus understand its intellectual structure sufficiently to apply its ideas to a variety of intellectual pursuits. Topics include differential and integral calculus of one variable: limits and continuity; differentiation and its applications, antiderivatives, the definite integral and its applications; exponential, logarithmic, and trigonometric functions. Prerequisite: New first-year students must complete the mathematics placement questionnaire.

Course Learning Outcomes: This course should prepare you to successfully accomplish the following.

- Accurately and efficiently perform the computations of Calculus.
- Modeling the world and solving problems across disciplines.
- Understand the derivative and integral both as theoretical objects and as problem solving tools.
- Provide clear, complete, and correct written solutions to a range of problems.

Course Text: *CALCULUS: SINGLE VARIABLE, 6th edition*, by HUGHES-HALLETT. You are expected to read the sections assigned before coming to class. Any additional written material needed for this class will be provided in class or via Moodle.

Exams: One exam has been given and that will be the only exam for the semester.

Quizzes: Two quizzes have been given and this is the total of your quiz score.

Homework: The course grade will be primarily given based on online homework. This is still in the process of being set up and more information will be given about it soon. The four homeworks you have handed in will count for double their previous value and one will be dropped. Hence, 60 points from doubling the three highest values. The other 240 points will be earned online.

Grading Breakdown:

Exams	200
Quizzes	40
Homework	400
Reading Checks	20
Class Participation	50
Total	600

Reading Checks: Eight reading checks have been given and each is worth 3 points. This means you can score 4 bonus points based on these reading checks, as we are making their maximum 20 points.

Resources: If you find yourself having difficulties in any way, I am your first resource. Email me if you are having trouble. This course will now run on successful online homework. Please put effort into these problems, when they are assigned. Your class dean and advisers are also there to help you succeed. Please use these resources if you need any help understanding the material, assignments, or to prepare for quizzes and tests.

Note to students with disabilities: At Colby, we value disability as diversity and are eager to learn more about how you learn best. If you have accommodation letters, please set up a time with me to discuss how to best implement those accommodations. If you need to access letters or learn more about accommodations, contact Kate Mcalughlin at kmclaugh@colby.edu

Class Participation: Everyone gets 50 point for participating in class up until now. Thank you for making the class interactive and enjoyable!

Calculator: Calculators are allowed on quizzes and tests. TI-83, 84, 85 are the most common calculators. No calculators with computer algebra system (CAS) are allowed. Check with me if you are unsure if your calculator is allowed. No cellphones, tablets, or smart-watches are allowed.

Email: Email is the best way to get in touch with me. Proper email etiquette is expected of any students wishing to have their emails read and responded to. There should be a descriptive subject, a salutation, a body, and a closing, using proper grammar. I also reserve the right to not answer emails in the evenings and weekends.