# MATH 210: CALCULUS I 

Fall 2011
Instructor: Brian Wynne
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Text: Calculus, Second edition, by Gilbert Strang (published by Wellesley-Cambridge Press)
Office Hours: MWF 1-3 and by appointment
This is a course in differential and integral calculus. Topics include limits, the derivative, the definite integral, the Fundamental Theorem of Calculus, and techniques of differentiation and integration. We will cover chapters 1-6 of the text.

The focus of this course is on the fundamental concepts and ideas of differential and integral calculus. Emphasis is placed on the problems which motivate the development of the calculus and on the careful and logical development of the concepts and methods needed to solve these problems.

Over the course of the semester there will be weekly homework assignments (see following page), three writing assignments (manuscripts), five in-class exams, and a final exam. In addition to doing homework regularly, the student is expected to read the text critically and to write about the material.

| Grading  Exam Dates <br> Manuscripts $20 \%$ Sept 14 | Manuscript Due Dates <br> Sept 19 |  |  |
| :--- | :--- | :--- | :--- |
| Hour Tests | $60 \%$ | Oct 3 | Oct 31 |
| Final Exam | $20 \%$ | Oct 26 | Dec 5 |
|  |  | Nov 16 |  |
|  | Dec 9 |  |  |

Academic honesty is valued at Simon's Rock. All students are expected to know and uphold the college's policies on academic dishonesty as described in the Catalogue.

This syllabus is subject to change.
A student with special needs should feel welcome to discuss these with the instructor.

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WEEK READ DO
$\left.\begin{array}{lll}\text { 1. Aug 29-Sept } 2 & \S 1.1-1.6 & \S 1.1 \# 1,3,8,18,29,32,33,37 ; \S 1.2 \# 7,8,21,24 ; \\ & & \S 1.3 \# 1,2,8,9,12,15,17,20,22 ; \S 1.4 \# 2,3,9,13,18,23,26,27 ; \\ & & \S 1.5 \# 3,11,12,17,18,24,25,26\end{array}\right]$

