

SYLLABUS FOR MATH 1060

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Instructor Information

Name: Dr. Charles (Chris) Johnson
Email: ccjohns@clemsun.edu
Office: Martin O-06

Meeting Times

1060-011 MWF 12:20 - 1:10pm, Martin M-201
Tu 12:30 - 1:20pm, Martin M-202

1060-016 MWF 2:30 - 3:20pm, Daniel 209
Tu 2:00 - 2:50pm, Daniel 209

1060-017 MW 3:35 - 4:25pm, Daniel 209
TuTh 3:30 - 4:20, Daniel 209

Office Hours

Office hours will be held four days each week. Additional times available by appointment only.

MWF 1:30 - 2:15pm

Th 2:00 - 3:15pm

Attendance

Regular attendance is expected. Class is dismissed if there is no instructor after fifteen minutes.

Course Webpage

The webpage for Dr. Johnson's sections is <http://ccjohnson.org/math1060>. On the course webpage you will find a copy of the syllabus, schedule for the course, and copies of the lecture notes.

The math department's general 1060 webpage is
https://mthsc.clemson.edu/ug_course_pages/view_course_page.py?course_id=6.

Course Content

We will be using the 7th edition of James Stewart's *Calculus: Early Transcendentals* textbook (ISBN 0538497904), covering chapters one through five.

We will cover material typically seen in a first-semester calculus course: limits, differentiation, differentiation rules, applications of derivatives, and integration.

Grading, Exams, Homework, & Quizzes

Our regular semester exams will be from 6:45pm until 8:15pm on Wednesday September 24, Wednesday October 22, and Wednesday November 19. Each of the regular semester exams will count for 15% of your final grade.

The final exam will be from 11:30am until 2:00pm on Monday December 8. The final exam will count for 25% of your final grade.

There will be two types of homework assigned in class: online homework completed with WebAssign which counts for 10% of your final average, and traditional written homework which will count another 10% of your final grade.

There will be two types of quizzes completed in class: traditional quizzes you will have the entire class period to work on, and short pop quizzes at the start of class on random days. Quizzes account for 10% of your final grade.

Late work will not be accepted, nor will quizzes and exams have make-ups, except under extreme circumstances (e.g., hospitalization).

Your final letter grade will be assigned on a traditional ten-point scale based on your final numerical average. Your final numerical average is the weighted average of your scores on exams, the final, homeworks, and quizzes. Your final grade will replace your lowest exam grade if it is higher than your lowest exam grade. The following formula describes how your numerical average is calculated:

$$\text{Avg} = 0.15 (T1 + T2 + T3 + FE - \min(T1, T2, T3, FE)) + 0.25 FE + 0.1 (WA + HW + QZ)$$

ALEKS

Each student will be required to complete a precalculus module in the online learning system ALEKS. Failure to achieve a grade of 85% or higher on this unit will result in the students final grade for the course being lowered by one full letter grade. This must be completed before the first exam.

The class code for all three sections (011, 016, and 017) is UYVLC-TJXJ4.

WebAssign Class Key

To sign up for WebAssign, go to <http://www.webassign.net> look for the “Account Log In” box on the right-hand side of the page. Click on the “I Have a Class Key” link just below the “Log In” button. Enter the class key (see below). Make sure our course section (Course: Math 1060; Instructor: Chris Johnson; Clemson University) is listed and click “Yes, this is my class.” On the next page you’ll want to select “I need to create a WebAssign account” unless you already have an account on WebAssign. If you create a new account you’ll be asked to give a username, password, first name, last name, and student ID.

After you’ve made an account, just log in and you should be enrolled in the course on WebAssign.

Section	Class Key
011	clemson 6243 1258
016	clemson 5863 6720
017	clemson 8725 7883

Academic Integrity

As members of the Clemson University community, we have inherited Thomas Green Clemson's vision of this institution as a high seminary of learning. Fundamental to this vision is a mutual commitment to truthfulness, honor, and responsibility, without which we cannot earn the trust and respect of others. Furthermore, we recognize that academic dishonesty detracts from the value of a Clemson degree. Therefore, we shall not tolerate lying, cheating, or stealing in any form.

Electronic Devices

No electronic devices of any sort (calculators, phones, computers, etc.) are allowed during an exam. *You are not allowed to use your phone to check the time during an exam!* The instructor will periodically inform students of how much time is left during an exam.

Disability Access

It is university policy to provide, on a flexible and individualized basis, reasonable accommodations to students who have disabilities. Students are encouraged to contact Student Disability Services to discuss their individual needs for accommodation.

Title IX Statement

Clemson University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender, pregnancy, national origin, age, disability, veterans status, genetic information or protected activity (e.g., opposition to prohibited discrimination or participation in any complaint process, etc.) in employment, educational programs and activities, admissions and financial aid. This includes a prohibition against sexual harassment and sexual violence as mandated by Title IX of the Education Amendments of 1972. This policy is located at <http://www.clemson.edu/campus-life/campus-services/access/title-ix/>. Mr. Jerry Knighton is the Clemson University Title IX Coordinator. He also is the Director of Access and Equity. His office is located at 111 Holtzendorff Hall, 864.656.3181 (voice) or 864.565.0899 (TDD).

Learning Outcomes

Upon completing this course, a student will be able to do the following:

1. **Limits and Continuity:** Explain the concept of a limit, apply the definition of a limit, evaluate limits involving elementary functions, including indeterminate forms, and apply limits to determine the continuity of a function at a point.
2. **Derivative:** State and apply the limit definition of the derivative, recognize when a function is not differentiable, and use derivative theorems to calculate derivatives.
3. **Implicit Functions:** Distinguish between implicitly and explicitly defined functions and calculate derivatives for implicit functions.
4. **Derivative Applications:** Use information from derivatives to determine the behavior of a function, solve elementary optimization problems, and determine rates of change in models of physical phenomena.

5. **Antiderivatives:** Find antiderivatives, use the Substitution Method to find antiderivatives, and solve elementary initial value problems.
6. **Definite Integral:** State the definition of the definite integral as the limit of a Riemann sum and use properties of summation to evaluate certain definite integrals, including, but not limited to, definite integrals for area under a curve.
7. **Fundamental Theorem:** Evaluate definite integrals by finding antiderivatives, and demonstrate a working knowledge of the inverse relationship between differentiation and integration.