Course description: This is a course in integral calculus including applications of integration, techniques of integration, integration of transcendental functions, and improper integrals. Other topics include infinite series, convergence of series, and power series.

Text and Materials: The required textbook is *Calculus (Early Transcendentals), 3rd edition*, by Rogawski and Adams, ISBN 9781464114885. Topics for MTH 234 are included in chapters 6, 7, 8, and 10 of the text. For exams, students may use only a non-programmable, non-graphing calculator. Bring your text, or some representation of it, to class daily!

Exam Calendar: Please note that the dates for our in-class exams below are subject to change. The final is university scheduled and cannot be taken at a different time without permission of the Dean of the College of Sciences and Mathematics. Be sure to arrange your end-of-semester travel plans accordingly.

<table>
<thead>
<tr>
<th>Exam</th>
<th>Date</th>
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<tbody>
<tr>
<td>Exam 1</td>
<td>Wednesday, February 13</td>
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<tr>
<td>Exam 2</td>
<td>Wednesday, March 6</td>
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<tr>
<td>Exam 3</td>
<td>Wednesday, April 17</td>
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<tr>
<td>Final</td>
<td>Tuesday, May 14, 8-10 am</td>
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Course Requirements:

- **Three in-class exams**—If a student must miss an exam due to an excused absence, special arrangements should be made in advance. Student ID with photo may be required for exams. **Cell phones and graphing calculators are not allowed out during exams, even if that is all you brought.** Students are responsible for bringing their own scientific calculator to exams. No music (even through headphones) is allowed during exams.

- **Quizzes**—We will have in-class quizzes each non-exam week.

- **Lab assignments**—Labs will be turned in and graded. During the lab meetings, students will investigate various topics in calculus using CoCalc, an open source mathematical software with features useful in many areas of advanced mathematics.

- **A comprehensive final exam**—The final exam is Tuesday, May 14, 8-10 am.

- **Homework**—We will assign exercises from the text but will not take up homework for a grade.

- **Class attendance and participation**—Students are expected to attend all class meetings, arriving on time. If you are absent, you are responsible for determining what you missed and for being prepared for class when you return. Students who have 3 or more unexcused absences may have points deducted from their final average.

- **Preparing for class**—Students should be prepared to invest several hours per day outside of class reading the text, practicing examples, and working homework exercises. **Material to be discussed in class should be read before coming to class.** Check your university email regularly, as I may send reminders, assignments, or announcements.

- There is no extra credit. Do well enough on the items below to earn the grade you seek.

**Grading Policy:**

- 55% First Three Exams (top two 20% each, lowest 15%)
- 10% Quizzes
- 10% Labs
- 25% Comprehensive Final Exam

**Grading Scale:**

- 90% - 100%: A
- 80% - 90%: B
- 70% - 80%: C
- 60% - 70%: D
- Below 60%: F

**Course Times & Place:**

- **Professor:** Dr. Sarah T. Stovall  
  - Office: 338 Mathematics building  
  - Email: sstovall@sfasu.edu  
  - Office Phone: 936.468.1684  
  - Office Hours: Monday 9-11, Tuesday 2-3, Wednesday 9-11, Thursday 2-3, Friday none

- **Professor:** Dr. Roy Joe Harris  
  - Office: 346 Mathematics building  
  - Email: rharris@sfasu.edu  
  - Office Phone: 936.468.1486  
  - Office Hours: Monday 11-1, Tuesday 9:30-10:30, Wednesday 11-1, Thursday By Appt, Friday By Appt
See http://www2.sfasu.edu/math/docs/syllabi/MTH234Syllabus.pdf for elements common to all sections.

**SFASU Policy 5.4:** The federal definition of a credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates:

1. Not less than one hour of classroom or direct faculty instruction and a minimum of two hours out-of-class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or 10 to 12 weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time, or;
2. At least an equivalent amount of work as outlined in item 1 above for other academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

To this end, all students in courses offered by the Department of Mathematics and Statistics that wish to be successful should plan to spend at least two hours outside of class for every credit hour associated with this course. Expected activities to be completed in the time outside of class include reviewing notes from previous class meetings, reading assigned course resources, completing all assigned exercises and projects, and performing periodic assessment preparation.