Instructor: Dr. Sheila J. Waggoner

Contact Information: Office – MATH HOUSE, Room 204
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Office Hours: Monday, Tuesday, Wednesday and Thursday
10:15am to 12:15pm
or
By appointment

Class Meetings: Classes meet in Strake 201:
Monday, Tuesday, Wednesday and Thursday
09:10am – 10:00am

Catalog Description:

Transcendental functions, techniques of integration, applications of integration, infinite sequences and series.

Prerequisite:

A grade of C or better in MATH 1431 (Calculus I).

Required Text:


Course Content:

Course topics are chosen from the following chapters:

Chapter 6: Inverse Functions
Chapter 7: Techniques of Integration
Chapters 5 and 8: Applications of Integration and Further Applications of Integration
Chapter 11: Infinite Sequences and Series
Course Grade:

Attending class daily, participating and concentrating in class, working diligently on homework assignments, getting help when needed, preparing carefully for tests, and maintaining a positive attitude throughout the semester are important for your success in this course.

Your grade for the course will be determined in the following manner:

- **20%** Test 1
- **20%** Test 2
- **20%** Test 3
- **20%** Test 4 (*)
- **20%** Final Examination (Cumulative)

(*) Test 4 grade will be calculated in the following manner:

- **10%** Homework Book 1 Grade
- **10%** Homework Book 2 Grade
- **10%** Homework Book 3 Grade
- **10%** Homework Book 4 Grade
- **10%** Short Quiz 1 Grade
- **10%** Short Quiz 2 Grade
- **10%** Short Quiz 3 Grade
- **10%** Short Quiz 4 Grade
- **10%** Short Quiz 5 Grade
- **10%** Attendance Grade

All grades except the grade on the final examination will be posted on Blackboard. Under no circumstances will information about your grades be given out by email or by phone due to reasons of confidentiality. There will be no response to emails from you about your grades or progress in the course. If you want to discuss your grades or progress in the course, you need to come to my office and talk to me personally.

*Explanations for your Test 4 grade are given below.*

**Attendance Grade**

Come to class. Attendance will be checked daily at the beginning of class. You will begin with a grade of 100 for your Attendance Grade at the beginning of the semester. **One** point will be deducted from the Attendance Grade for each absence. Class begins promptly at 09:10am on Monday, Tuesday, Wednesday and Thursday. If you are late to class, ½ point will be deducted from your Attendance Grade. If you are late to class, you need to see me after class so that you will not be counted absent.

Additional circumstances that lead to deduction of points on your Attendance Grade:

1. Do not get up and walk out of the classroom (except for cases of extreme emergencies). If you walk out of the classroom and come back into the classroom, you are causing a major distraction. **One** point will be deducted from your Attendance Grade for violating this rule.

2. Turn off phones during class. Phones, laptops and other electronic devices should not be on
your desk during class time. **One** point will be deducted for violating this policy.

(3) Do not study or prepare for any other subject during class time. The only textbook that is allowed on your desk is Stewart’s *Calculus*. A deduction of $\frac{1}{2}$ point will result in violation of this rule.

(4) Do not sleep in class or put your head down on your desk. A deduction of $\frac{1}{2}$ point will result in violation of this policy.

I will not interrupt class to point out any violations of the Attendance Grade. However, I will keep notes on any violations and regularly update these notes. If you feel that you should be excused for what you consider are good reasons for being absent/late to class, you need to write a *hand-written* note explaining such reasons. (Emails are not substituted for hand-written messages.)

Calculus II is not an easy course and it will require your complete attention and focus in class. Any distraction during class time takes away from your ability to concentrate on the course material. Such distractions usually lead to poor performance on tests and quizzes. You do not want to leave this class knowing that you could have done better if you had just behaved in a manner that is conducive to a deep understanding of the course content.

**Homework Book Grades**

The purpose of doing homework is to learn the course content. If you work hard on homework assignments and understand how to do the problems, you stand an excellent chance of doing well on tests, quizzes, and the final examination. Homework should be done on a **daily** basis and **not** put off until a test. Simply copying homework problems from student solutions manuals, online solution manuals, or other similar methods is NOT doing homework. Students who adopt the strategies of not working daily on homework and/or just copying homework from solution manuals will definitely not do as well as they wish in this course.

If you have trouble with homework assignments, you should seek help immediately. You can ask questions in class or you can come to my office for help. Additionally, we will have mathematics majors available for tutoring in the student room in the MATH HOUSE (Room 202). There will be four homework grades. HW books are due on the days of Test 1, Test 2 and Test 3 for Homework Grades 1, 2 and 3. HW books are due on the day of the Final Examination for Homework Grade 4. You should turn in HW books by depositing them in a box labeled MATH 1432 that will be placed outside my office door. HW books are due by 5:00pm. Homework assignments need to be thoroughly understood in order to do well on tests, quizzes and the final examination.

**Directions for Homework Books**

(1) Keep homework assignments in a laboratory book. No other books are allowed. For example, a spiral notebook is unacceptable.

(2) When working a particular homework assignment, you can write on front and back pages. However, a **new** assignment should begin on a **new** page. For every assignment from the textbook, you need to write the section number, title of the section, page numbers, and problem numbers at the **top** of the page. If HW assignments from a particular section in the textbook are divided into several parts, you should consider each part as a separate assignment and begin such an assignment on a new page and label it according to the directions given above.
(3) You must write the directions for the problems as given in the textbook. If a group of problems has the same direction, you only need to write the direction once. You also need to write down the problem. If a graph is included in the problem, you must show the graph in your HW book. It is acceptable to photocopy a graph and paste or tape the graph in your HW book.

(4) Work HW problems in pencil. Write and circle the problem numbers in the left margin. Leave at least one space between problems. Show all work when necessary using correct notation and do not circle or box in your answers.

Homework books are graded for completeness. You begin with a score of 100 for the HW grades. Failure to follow the first requirement (1) shown above will result in a grade of zero. Failure to follow the requirements in parts (2) through (4) above will result in an automatic deduction of 2 points for each requirement. For example, if you fail to follow all of the requirements in (2) through (4), you will begin with a score of 94. You need to attempt all problems. You will receive a deduction of one point for each missing problem.

If a HW Book is turned in late but no later than 24-hours after it is due, then there will be a deduction of 10 points. No HW Book is accepted after the 24-hour period.

Policy on Academic Dishonesty:

Academic dishonesty will not be tolerated. Please refer to the Policy on Academic Dishonesty in the UST Undergraduate Catalog.

Disability Services for Students:

The University of St. Thomas abides by the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973, which stipulates that no student shall be denied the benefits of an education "solely by reason of a handicap." If you have a documented disability that may impact your performance in this class and for which you may require accommodations, you must be registered with and provide documentation of your disability to the Counseling Services/Disability Services. For more information about Disability Services for students, contact C&DS at 713-525-3162 or 713-525-6953. The University’s ADA and Section 504 Coordinator is Dr. Rose Signorello, Executive Director of Counseling, Wellness and Disability Services.