

Math 164, Sections 06 and 08: College Mathematics  
Fall 2010 Syllabus

## 1 Course Information

- Location and Time:
  - Section 06: MW 3–4:20pm, 212 Lee Drain Building
  - Section 08: TTh 2–3:20pm, 212 Lee Drain Building
- Professor: Dr. Martin Malandro
- Department: Mathematics and Statistics
- Office: 409 Lee Drain Building
- E-mail (preferred method of contact): malandro@shsu.edu
- Phone number: (936) 294-1580
- Office Hours: Mon 1–2pm and 4:30–5pm, Tues 3:30–4:30pm, Wed 1–2pm and 4:30–5pm, and by appointment
- Required Materials:
  - Textbook: Mathematical Ideas, Expanded 11th Edition, by Miller, Heeren, and Hornsby
  - Calculator: Scientific calculator or better recommended

**Course Description:** This course is designed to meet the objectives of Component area 2 of the core curriculum for non-business and non-science related majors. Topics may include sets, counting principles, probability, logic, linear algebra, linear programming, mathematics of finance, geometry, and calculus. Applications are emphasized. Prerequisites: Two years of high school algebra and high school geometry. Credit 3.

**Course Objectives/Learning Outcomes:** A successful student will attain proficiency in the following areas. Other topics will also be covered.

- Set theory and counting methods
- Graph theory
- Voting methods and theory
- Number theory and modular arithmetic

## 2 Grading Policy

Your grade in the course will be calculated using the following weights:

Quiz average	15%
Exam 1	17%
Exam 2	17%
Exam 3	17%
Exam 4	17%
Final Exam	17%

Grading Scale:

A	90% or better final average
B	80–89% final average
C	70–79% final average
D	60–69% final average
F	59% or lower final average

**Homework:** I will assign homework on a regular basis. It is your responsibility to do your homework to ensure that you are prepared for quizzes and exams, and it is your responsibility to ask questions about homework problems that you were not able to complete or did not understand. Many quiz and exam questions will be similar to homework problems or examples worked in class.

**Quizzes and Exams:** All quizzes and exams will be closed-book and closed-notes. Quizzes will be frequent and unannounced. Your quiz average for the course will be the average of your 13 highest quiz scores. I reserve the right to collect homework and in-class assignments and count them as quizzes. There will be at least 15 quizzes.

The final exam will be cumulative. I will replace your lowest regular exam score with your final exam score if your final exam score is higher. The final exam score cannot be replaced.

If you arrive late to an exam, you may still take the exam in the remaining time as long as nobody has finished the exam yet.

You will need a standard 100-question scantron (50 questions per side) for each exam.

**Make-up policy:** There will be no make-ups for quizzes. If you need to miss an exam because of university-related travel, please see me with your documentation beforehand and we'll work it out. No make-up exams will be given under other circumstances.

**Academic Honesty Policy:** Quizzes and exams are individual endeavors, where no help is to be given or received. Cheating includes, but is not limited to, sharing answers or using any form of cheat sheet (note: notes programmed into a calculator count as a cheat sheet). If I catch you cheating on a quiz or exam, I will forbid you from attending any further class meetings and assign you a grade of F in the course.

**Extra Credit Policy:** There may be occasional opportunities for extra credit over the course of the semester. All extra credit opportunities will be announced in class. Under no circumstances will individual extra credit opportunities be available.

**Grade Dispute Policy:** All grade issues need to be brought to my attention within one week of having your grade returned/posted. In the interest of fairness, under no circumstances will a scantron-based error be changed, so please use care in marking your scantrons.

**Final Exam Schedule:**

- Section 06: Wednesday, December 15, 5pm–7pm
- Section 08: Thursday, December 16, 2pm–4pm

### 3 Classroom Policies

**Attendance Policy:** I expect you to attend every class. If you miss a class, then I expect you to get notes from a classmate. I expect you to arrive to class on time. From what I have seen, students who do not attend class regularly have a very low chance of passing this course.

**Classroom Rules of Conduct:** Students must refrain from behavior in class that disrupts the learning process. Students are prohibited from using tobacco products in class, making offensive remarks, reading newspapers, sleeping, talking at inappropriate times or about inappropriate things, wearing inappropriate clothing, using cellphones, or engaging in any other form of distraction. Inappropriate behavior in the

classroom shall result in a directive to leave class. Students who are especially disruptive also may be reported to the Dean of Students for disciplinary action in accordance with university policy.

Math-related questions and math-related discussion in the classroom are encouraged. However, chatter is disruptive to the learning process and will not be tolerated under any circumstances. Furthermore, any variation of the question “do we need to know this for the test?” is banned.

## 4 Tentative Schedule

Sets and counting (Ch. 2 and 11)	Aug 25–Sep 15
Exam 1	Sep 16, 20
Graph theory (Ch. 15)	Sep 21–Oct 12
Exam 2	Oct 13, 14
Voting (Ch. 16)	Oct 18–Nov 4
Exam 3	Nov 8, 9
Number theory (Ch. 4 and 5)	Nov 10–Dec 2
Exam 4	Dec 6, 7
Final Exam	<ul style="list-style-type: none"> <li>• Section 06: Wednesday, December 15, 5pm–7pm</li> <li>• Section 08: Thursday, December 16, 2pm–4pm</li> </ul>

The date/time of the final exam is set by official SHSU policy. All other dates in this list are tentative and subject to change.

## 5 Additional Information

All information on this syllabus is subject to change. All changes will be announced in class. Further university policies regarding academic dishonesty, student absences on religious holy days, disabilities, and visitors in the classroom which apply to this course may be found at <http://www.shsu.edu/syllabus/>. If there is a conflict between information on this syllabus and official university policy, university policy takes precedence.