



Mr. Klassen

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Discrete Mathematics

PRIMARY TEXTBOOK:

Crisler, Nancy and Froelich, Gary. *Discrete Mathematics Through Applications: Third Edition*. New York: W.H. Freeman and Company, 2006

WHAT YOU'LL NEED:

- A CALCULATOR (TI-83+ or comparable calculator is needed for portions of this course)
- Pencil, eraser, lined paper, graph paper
- 3 different colored highlighters
- 3 ring binder

CLASSROOM DYNAMICS:

In this course, we will get to have a lot of fun learning a new type of mathematics. We will work through logic, both mathematically and in the real world. You will study graph theory, election theory, and game theory among other topics. This class will involve some lecture style class periods, but will mostly be interactive and activity/project based.

CLASSROOM EXPECTATIONS:

1. Be on time to class.
2. Come to class prepared with your own textbook, calculator, pencil, notebook, and homework.
3. Respect other students, the teacher, and the classroom.
4. Participate in class discussions and activities (there will be lots of these!).
5. Please **refrain from eating or drinking** in the classroom (only water bottles are allowed).

Phone Policy:

- Phones should be in your pocket or backpacks during class.
- The same goes for ear buds or other electronics.
- Phones may be used during breaks.

Class Grade (80% of Final Grade)

Tests (50% of Class Grade) & Quizzes (30% of Class Grade)

There will be one test and/or project at the end of each unit, although some units may be broken into smaller unit tests. Likewise, there will be one/two quizzes and/or projects per unit. If you are absent on the day of a test/quiz, be prepared to take it **on the day you return** or after school.

Homework (20% of Class Grade)

Students can expect assignments for each section! It is crucial to complete the assignment and show all steps, thoughts and ideas you used. There is a difference between “doing your assignment” and “doing your assignment well”. In most cases, there will be adequate class time provided to complete all assignments in class.

Exam (20% of Final Grade)

The semesters will culminate with a Final Exam over all topics covered throughout the semester. Senior exemptions will apply in this class.

WOHS Math Department Policies:

1. **Attendance** to class every day is essential, as is completing daily homework assignments. If a student is absent on the day of a test, the makeup test may be a comparable but different test. Students absent on a test day should plan to take the test upon their return to school unless other arrangements have been made with the teacher.
2. Students need a **calculator**. They may purchase their own, or teachers have limited supply in the classroom. We do not have calculators for students to sign out or take home.
3. Calculator functions on cell phones or other **electronic devices** may not be used on assessments in class. They are not permitted on State Standardized tests.
4. **Cheating** of any sort (copying answers, providing answers, misuse of calculators or technology, etc.) will NOT be tolerated. Cheating will result in disciplinary action and retesting of the content on the student's own time. It is crucial for students to understand the impact that cheating and academic honesty have on their grades and character.
5. **Retest Criteria:**
 - a) Number/type of retest opportunities:

Algebra 1, Geometry & Algebra 2: Students may retest each chapter; if eligible (see below).
Trigonometry, Statistics & Probability, Stats in Sports, Discrete Math, Advanced Math: One retest per semester, if eligible.
AP Calculus, AP Statistics, and IB Math: No retests
 - b) Eligibility for a retest: To be eligible for a retest, a student must:
 - Have all homework assignments completed for the Unit.
 - Take the retest on his or her own time, as determined by the teacher.
7. **Grading Scale:** Students earn grades based on the following scale.

93-100	A	87-89	B+	77-79	C+	67-69	D+	0-59	F
90-92	A-	83-86	B	73-76	C	63-66	D		
		80-82	B-	70-72	C-	60-62	D-		
- 18-Week Grade:** Grades are comprised of tests and projects (70%), quizzes (minimum of one mid-unit quiz per unit) (25%), and homework/independent practice (5%).
- Semester Grade:** The final grade for the semester is based on 80% for the 18-week grade and 20% for the final exam. If it benefits the student, the final exam may be counted as 33% of the final grade with the semester score counting for 67%.
- Credit Recovery Criteria:** 70% on the course final exam.
8. **Test-Out Criteria:** Students wishing to test out of a class must pass the final exam(s) with a 77% or higher during the test out period in August.