



COURSE OUTCOME:

Course Description

This course is a 4th year senior level math course that will focus on the big ideas of advanced mathematics. This course is designed to prepare students for both college and the workplace. Students choosing to take this course would be less likely to enroll in a STEM Calculus course upon entering college. However, this course will provide a foundation for students entering a business application Calculus course or other general education mathematics course.

Hyperlink to local curriculum, state standards, and/or competencies

<https://www.knoxschools.org/Page/2943>

INSTRUCTION:

Topics/Skills Covered

- Linear Programming
- Organizing, Displaying, and Interpreting Data
- Normal Distribution & Confidence Intervals
- Finance Math
- Boolean Algebra and Investigative Logic
- Probability including the Counting Principle and Combinatorics

Resources:

Materials Needed

- * TI-84+ Graphing Calculator (recommended)
- * Binder or notebook for notes
- * Loose-leaf notebook paper for quizzes, in class work, etc.
- * Pencils

Fees

This math course has a **\$5.00** fee

The math fee is for the purpose of providing math related materials for classroom use.

If writing a check, please make the check payable to **Gibbs High School**.

Fees can be paid **online**, please check the school website for information.

Resources

- Textbook
 - This course has no textbook.
- Compliance with Instructional Materials Policy & Procedure I-211
 - Materials used in class meet this policy.
- Compliance with Use of Audiovisual Works Policy and Procedure I-230- 2
 - Concept demonstration media were provided by the textbook company



- Technology
 - Calculator, Google Drive (Each student has a separate account), Canvas, Parent Portal
- Safety Procedures**
 - Follow KCS School board policies for a regular education classroom. A red Emergency folder is available in the classroom to provide information about procedures
- Statement about religious content**
 - The content of this course is mathematics and how to use mathematics concepts to solve problems. There is no direct religious content.

ASSESSMENT:

Expectations

- Students:
- 1) Attend class
 - 2) Take notes
 - 3) Ask Relevant Questions throughout the lesson
 - 4) Complete assignments with accuracy
 - 5) Get assistance (if needed)
 - 6) Maintain a positive attitude for learning on a daily basis.

It is the goal of the instructor for all students to succeed as long as these expectations are met.

Grading Policy

Grades will be determined by accumulation of points.

Grade Scale:

A	93-100
B	85-92
C	75-84
D	70-74
F	below 70

- Chapter Tests and quizzes – 45% of total grade
- Homework, Class Assignments, and Projects – 40% of total grade
- Final Exam – cumulative exam which will count 15% of final grade

Explanation of Assignments & Projects

Students will be expected to complete all assignments and projects assigned throughout the semester.



Make-Up Work Policy/Late Work Policy

Reference the policy described in the student handbook.

Essentials: Students must request make-up work from teachers within three days of returning to school.

Students must complete work within a reasonable amount of time.

Students who miss one day will be expected to be prepared to participate in all previously assigned classroom activities, including tests and quizzes, on the day they return.

Missed exams and quizzes must be completed at the Pilot Center during its hours of operation.

Missed exams and quizzes must be completed within 5 school days from the day the student returns to school. If a student does not complete an exam or quiz within the expected timeframe, then the student will earn a 0 for that grade. This policy is flexible depending on the circumstances.

Portal Post Policy

Students will receive daily feedback about their performance through assessments in class. Work will be graded as assignments are completed and recorded in the gradebook within a timely manner.

GENERAL EXPECTATIONS:

Students:

Attendance Policy

Attendance policy will follow the Gibbs High School student handbook.

Classroom Policy/Procedures

Classroom Rules:

- Be on time
- Be prepared
 - Before the bell:
 - sharpen pencils
 - collect materials at your desk
- Be respectful
 - Raise your hand and wait to be recognized before asking a question or making a comment
 - Keep questions and comments on topic
 - Talk at appropriate times with appropriate voice
- Pay attention
- Do your own work
- No food or drinks
- Cell Phone Policy: See it. Hear it. Take it.



- **Notebook:**

Each student is required to keep a notebook. The notebook must be brought to class daily. A binder with loose-leaf paper and dividers is recommended.

- **Notes & Homework:**

- Students are required to take notes daily during instruction. These notes will serve as a study guide for the lesson.
- Homework assignments must be completed and are subject to be collected at any time. Homework grades are based on the student's ability to complete problems similar to those provided in class notes.
- Students are expected to persevere and complete their homework using all available resources: notes, textbook, tutoring, student study groups, online resources, etc. Each challenge is a learning opportunity that students must take advantage of.
- Tutoring is available for free, at school, and students are expected to attend tutoring whenever they begin to struggle with a concept. Students should attend tutoring before the assignment is due.

- **Honor Code**

Students are expected to do their own work. This includes class work, projects, tests, quizzes, etc. Reference the policy described in the student handbook.

TEACHER:

- **Communication Strategy:**

- Students are encouraged to communicate any problems they may be having with class content, projects, etc. to the teacher. Students are encouraged to check their grades on the portal frequently to maintain an understanding of what their grade is.
- Parents are encouraged to email or call the instructor with any questions or concerns at any time.
- I am open to feedback. Please contact me if you have any questions or concerns or if you notice any struggles that your child may be encountering.
- Best way to reach me is by email.

Email Address: adam.howard@knoxschools.org

Phone Number: (865) 689-9130

- **Intervention Strategy:**

- Tutoring will be available through the Pilot Center. When the center opens hours will be announced and posted in the classroom.
- Additional tutoring opportunities are available from other math department instructors.
- You may also email me questions about homework.