Computer Spreadsheet Applications (semester course)

Course Number: 487
Course Title: Computer Spreadsheet Applications
Department: Mathematics
Open to Students in Grade: 12
Any Required Prerequisite Courses: Algebra 2

Topics Addressed/Skills Developed:

This course introduces some of the advanced features available in computer spreadsheets (specifically Google Sheets) that can be used to store, manipulate and analyze mathematical data to solve problems and make data-driven decisions. Topics will include basic data entry, spreadsheet functions, chart functions, database functions, and automation using Visual Basic. The course will benefit any student who expects to encounter data driven projects in their future studies or careers. Upon successful completion of the course, students will be able to create a spreadsheet that uses advanced features of Google Sheets. Class will be project-based. Previous computer experience is not a prerequisite; however, students are required to have completed Algebra 2. Students will be expected to spend additional time in the computer lab.

Approximate or range of hours of homework per class meeting: 0.5.

Textbook / informational text reading amount: Step-by-step instructions.

Types of large assessments in this course: Projects in Google Sheets.

Level of Independence Expected:	More Independent → Less Independent				
Assessment: 5 = anything can be assessed 1 = only things explicitly discussed in class are assessed	5	4	③	2	1
Project/Class Work: 5 = little to no class time 1= almost all the work will be done in class	5	4	3	②	1
Level of Collaboration: 5= frequently (almost every class) 1= infrequently (almost never)	5	4	3	2	1