It is assumed that you will give your full attention to your work when you view the videos, work on assignments or visit virtual office hours. Keep in mind you must answer the questions in the Video Lessons in Moodle.

5. While there is no monitoring of how you conduct your weekly work it is assumed that you will give your full attention to your work when you view the videos, work on assignments or visit virtual office hours. Keep in mind you must answer the questions in the Video Lessons in Moodle.

6. Appropriate language is expected both written and verbal during virtual hours. (This includes abbreviations.)

7. Please keep in mind that while I will do the best to be present at every office hour (both live and virtual) but there are times when events (including technical issues) stop this from occurring. I will do my best to email the class and let them know when there are such occasions. Office hours will not be held if the Stark Campus has classes canceled during the scheduled session.

8. The proctored final exam is required. Failure to show for the final exam may result in an F for the course.

**Academic Honesty:** Use of the intellectual property of others without attributing it to them is considered a serious academic offense. Cheating or plagiarism will result in a failing grade for the work or for the entire course. Repeat offenses result in dismissal from the University. University guidelines require that all infractions be reported to the Student Conduct Officer on our campus. Kent State University policy on academic honesty can be found at:

[http://www2.kent.edu/policyreg/policypdetails.cfm?customel_datapageid_1976529=2037779](http://www2.kent.edu/policyreg/policypdetails.cfm?customel_datapageid_1976529=2037779)

**Students with Disabilities:** University policy 3-01.3 requires that students with disabilities be provided reasonable accommodations to ensure their equal access to course content. If you have a documented disability and require accommodations,
Learning Outcomes for Modeling Algebra, Math 11009 11009 Modeling Algebra (4)

Knowledge
Master algebraic techniques and manipulations necessary for problem solving and modeling in this course.

Comprehension
With the aid of a spreadsheet, graphing calculator, or similar technology, students can construct a model that captures essential features of a situation described by discrete data. Compare and contrast characteristics (numeric, graphical, symbolic) of functions studied in the course: linear, quadratic, exponential, logarithmic, polynomial.

Application
Student can use a function model to analyze and interpret a situation described verbally or with data.

Analysis
Analyze a given set of real-world discrete data numerically and graphically and determine which of the elementary functions would be an appropriate mathematical model.

Synthesis
Describe the role and usefulness of mathematical modeling in the decision making process of social and life scientists, business personnel and government agencies. Develop a personal framework of problem-solving techniques. Analyze the relevance of mathematical modeling to their field of study and give at least one concrete example.

Evaluation
Critique the appropriateness of the mathematical model chosen by their peers during in-class presentations. Evaluate group dynamics within their group.

Class Activities
Small group problem-solving, group presentations, activities with motion sensor, mini-lectures, group and individual quizzes, individual exams (Class Activities have been modified for an online course.)

Out of class Activities
Reading the textbook and watching videos, online homework assignments, lab write-ups, small group projects