

**Prerequisites/Corequisites:** MP2 or MTH 015.

**Type of Instruction:** Lecture and discussion over Google Meet

**Meeting Days and Times:**   M   01:40 pm - 02:30 pm  
  TR   01:40 pm - 02:55 pm

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**General Education:** This course satisfies 3 credits of the mathematics competency area of the General Education requirements at Farmingdale State College.

**Catalog Course Description:** This course is designed to provide students with a firm foundation in symbolic manipulation and algebraic reasoning. Both manipulative skills and conceptual understanding of algebraic principles are stressed. Topics include equivalent expressions and equations, linear functions, properties of exponents and logarithms, quadratic equations, power functions, exponential functions. Upon completion of this course students will be prepared for precalculus as well as for quantitative courses in the natural and social sciences.

**Course Learning Outcomes:** Upon successful completion of the course a student will be able to

- Interpret and construct algebraic expressions.
- Perform symbolic manipulations to evaluate expressions and solve equations.
- Communicate fluently using appropriate mathematical language and notation involving linear, polynomial, exponential and logarithmic functions.

**General Course Requirements:**

Homework	25%
Quizzes	50%
Final Exam	25%

### Homework

Homework will be assigned in WileyPlus. Students should check regularly for updates.

### Exams

Due to the unusual circumstances of the semester, exams will be replaced by a series of timed quizzes on the chapter material, worth 50% in total. The final will be worth 30%. The date of the final is set by the registrar.

## Grade Scale

Grade	Minimum %
A	93
A–	90
B+	87
B	83
B–	80
C+	77
C	73
C–	70
D+	67
D	60
F	0

## Required Materials

- Algebra: Form and Function, 2nd ed. (ISBN: 9781119033370)
- WileyPlus software
- Graphing Calculator

*Note:* Calculators with a computer algebra system (C.A.S) are not allowed.

**Makeups:** Make-up exams and quizzes will be given to students who miss exams for valid reasons at the discretion of the instructor. In general, acceptable reasons for absence from class include illness, serious family emergencies, special curricular requirements (e.g., field trips, professional conferences), military obligation, severe weather conditions, religious holidays and participation in official university activities such as music performances, athletic competition or debate. Absences from class for court-imposed legal obligations (e.g., jury duty or subpoena) will be excused. Other reasons also may be approved. In addition, if you are already aware of a conflict with an exam date, then you need to discuss this with your instructor within the first two weeks of class.

**Religious Absences:** If you are unable to attend class on certain days due to religious beliefs, please consult with your instructor well in advance of the absence so that appropriate accommodation can be made.

**Disability Services Center:** If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and the Disability Services Center, Roosevelt Hall, Room 151, or call 631-420-2411 as soon as possible this semester.

**Temporary Grades:** A grade of “I” (incomplete) is reported when, for some reason beyond their control, the student misses the final examination or has not completed a portion of the required work for the course. The decision to grant an “I” is at the sole discretion of the instructor. No achievement points are awarded for an incomplete. All incompletes must be resolved and a change of grade submitted no later than 30 days after the beginning of the next semester (fall to spring, winter intersession to spring, spring to fall, summer session to fall). An instructor may grant an extension of an incomplete grade until the end of the semester by documenting and filling the approved

form with the Registrar prior to the conclusion of the 30 day period. Any incomplete grade not finalized or extended by the instructor within the 30 day time period mentioned above will automatically be changed to an “F”. An incomplete does not constitute successful completion of a prerequisite.

**Academic Honesty:** This course expects all students to act in accordance with the [Academic Integrity Policy](#) at the Farmingdale State College. If you work on the homework with your classmates, you must write your own solutions individually. There should be no help given or received on midterms or the final exam. Academic misconduct includes, but is not limited to, providing or receiving assistance in a manner not authorized by the instructor in the creation of work to be submitted for academic evaluation (e.g. papers, projects, examinations and assessments - whether online or in class); presenting, as one’s own, the ideas, words or calculations of another for academic evaluation; doing unauthorized academic work for which another person will receive credit or be evaluated; using unauthorized aids in preparing work for evaluation (e.g. unauthorized formula sheets, unauthorized calculators, unauthorized programs or formulas loaded into your calculator, etc.); and presenting the same or substantially the same papers or projects in two or more courses without the explicit permission of the instructors involved. A student who knowingly assists another student in committing an act of academic misconduct shall be equally accountable for the violation, and shall be subject to the sanctions. Such sanctions include failing the assignment in question and depending on the severity of the incident failing the course and/or other remedies.

**Copyright Statement:** Course material accessed from Blackboard or the Farmingdale website is for the exclusive use of students who are currently enrolled in the course. Content from these systems cannot be reused or distributed without written permission of the instructor and/or the copyright holder. Duplication of materials protected by copyright, without permission of the copyright holder, is a violation of the Federal copyright law, as well as a violation of SUNY copyright policy.

**Cancellation of Classes:** Weather and other campus-wide cancellations will be listed on the home page, Facebook and Twitter and you can also sign up for RAVE and SUNY Alert. Go to the Rave web page and use your Farmingdale user ID and password to enter the site. For SUNY-Alert, please visit the University Police web page. You may also be notified via email of class cancellations.

**Electronic Devices Policy:** Please silence all electronics while in class. Use of electronics during exams is prohibited.

**Attendance Policy:** This course will not deduct points for absences. For absences on exam or quiz days please see the make-up policy above.

**Use of Email:** It is Farmingdale State College policy that instructors and students use the Farmingdale email system or the Blackboard email system to contact one another.

**Disclaimer:** The instructor reserves the right to adjust the syllabus. By taking this course, you acknowledge that you have read this syllabus and abide to it and any such changes.

**Weekly Schedule:**

Week	Section	Content
Week 1	1.1	What is a Function?
	1.2	Functions and Expressions
Week 2	1.3	Functions and Equations
	1.4	Functions and Change
Week 3	2.1	Introduction to Linear Functions
	2.2	Linear Expressions
Week 4	2.3	Linear Equations
	2.4	Equations for Lines in the Plane
<b>Week 5 - Catch up and Review</b>		
Week 6	2.6	Systems of Linear Equations
	3.1	Introduction to Quadratic Functions
Week 7	3.2	Quadratic Expressions
	3.3	Converting to Factored and Vertex Form
Week 8	3.4	Quadratic Equations
	4.1	Power Functions: Positive Exponents
Week 9	4.2	Power Functions: Negative and Fractional Exponents
	4.3	Power Functions and Expressions
<b>Week 10 - Catch up and Review</b>		
Week 11	4.4	Power Functions and Equations
	6.1	Exponential Functions
Week 12	6.2	Exponential Expressions: Growth Rates
	7.1	Introduction to Logarithms
Week 13	7.2	Solving Equations Using Logarithms
	8.1	Polynomial Functions
Week 14	8.3	Solving Polynomial Equations
<b>Week 15 - Catch up and Review</b>		

*\* The schedule may be adjusted or expanded upon to meet the needs of the class.*