

# STATE UNIVERSITY OF NEW YORK PLATTSBURGH

## MAT101C – Elem College Math

**CONTACT HOURS: 3 CREDIT HOURS: 3**

**SEMESTER AND YEAR:** Fall2019

**INSTRUCTOR'S NAME, TELEPHONE NUMBER, EMAIL ADDRESS, OFFICE NUMBER, AND OFFICE HOURS:**

Todd Bailey: 570 – 7074 , [bail7546@plattsburgh.edu](mailto:bail7546@plattsburgh.edu) Office hours: Tuesday and Thursday 4:00 – 5:00, Hawkins Hall 234, Website: <http://www.baileymath.net>

**I. COURSE DESCRIPTION:** Designed to strengthen student's background in elementary algebra and to prepare them for further work in mathematics. Topics include a review of arithmetic concepts using elementary algebra, algebraic expressions, linear and quadratic equations, inequalities, absolute value, systems of equations, and functions (linear, quadratic, exponential, logarithmic). Students will not receive credit for MAT101 if they received credit for a precalculus or calculus course. Liberal arts. (Fall/Spring/Summer).

### **II. COURSE TOPICS:**

Chapter 1: An Introduction to Algebra

Chapter 2: Equations, Inequalities, and Problem Solving

Chapter 3: Graphing Linear Equations and Inequalities (two variables)

Chapter 4: Systems of Linear Equations and Inequalities

Chapter 5: Exponents and Polynomials

Chapter 6: Factoring and Quadratic Equations

Chapter 7: Rational Expressions and Equations

Chapter 8: Radical Expressions and Equations

Chapter 9: Quadratic Equations

### **III. REQUIRED TEXTBOOK AND MATERIALS:**

#### **REQUIRED TEXTBOOK:**

Elementary Algebra, 5<sup>th</sup> edition  
ISBN: 9781111567668

(Alan S. Tussy, R. David Gustafson)  
Copyright Year: 2013

**REQUIRED MATERIALS:** pencils, paper, graph paper

**IV. METHODS OF INSTRUCTION/COURSE ORGANIZATION:** This class will have lecture (where I will model problems) and group work (where you will practice problems with classmates) components. Homework must be completed before the next class. Working together in study groups outside of class is highly recommended. We will cover approximately 3 sections of the text each class. A test will be given at the end of chapters 3, 5, 7, and 9.

**V. ATTENDANCE PROCEDURE (INCLUDING MAKEUP POLICY):** Students must attend classes to be successful. There will be daily quizzes that will reward students who come to class prepared.

**Makeup policy:** I will allow work to be submitted late only when an appointment is made within 24 hours of missing class.

**VI. METHODS OF EVALUATION (INCLUDING THE CALCULATION OF COURSE GRADE):**

Quizzes: 30%

4 Unit Tests: 50%

Final exam: 20%

The final exam grade can replace the lowest test grade (provided that it helps the overall grade). The lowest quiz grade will not be calculated into your overall grade.

**VII. GRADING SCALE:**

> 93% A 90%-

93% A- 87%-

89% B+ 83%-

86% B 80%-

82% B- 77%-

79% C+ 73%-

76% C 70%-

72% C- 67%-

69% D+ 63%-

66% D < 63% E

**VIII. COLLEGE HONOR CODE:** It is expected that all students enrolled in this class support the letter and the spirit of the Academic Honesty Policy as stated in the College Catalog

**IX. STUDENT ACCOMODATIONS:** If you have a disabling condition you must register with Student Support Services — Angell College Center — 564-2810 Prior to requesting accommodations