MAP 103 **Proficiency Algebra**	**Summer Session II 2021** July 5th – August 14th
Course Meeting Days/Times: TBD	**Location:** Online
Meeting Pattern: One day a week for live Q&A - TBD	

Instructor: Stephanie Lamb (Salvator) **Office Hours:** Thurs 10 AM - 12 PM

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COURSE DESCRIPTION

The goal of the course is to build an algebraic foundation for pre-calculus/calculus study. We will learn how to solve linear and quadratic equations, draw graphs of linear and quadratic functions, solve linear systems in two variables, solve linear and quadratic inequalities. We will discuss exponents, polynomials, radicals, and rational expressions.

Note: This course is not for credit and does not count towards one's cumulative GPA, but the grade does appear on one's transcript, counts towards the semester GPA, and counts towards credit enrollment. It is necessary to pass this course with a grade of C or better to move onto MAT 118, 122, 123 or AMS 101 (you may also enter AMS 101 with a 2+ on the placement exam, but admittance into other courses mentioned requires a 3 or a passing grade in MAP 103). This course does NOT satisfy the DEC C requirement but does satisfy the S1 skills requirement.

COURSE GOALS

- Distinguish between different types of numbers, expressions versus equations, and perform operation in the correct order
- Use math terminology accurately and in a way that expresses one's way of thinking
- Apply and prove the power rules for operating with algebraic expression
- Identify a polynomial expression, its characteristics, and perform operations on them
- Explain what a rational expression is and perform operations on them with the use of factoring
- Classify equalities as identities, contradictions, or equations and solve them
- Identify key information from a word problem and apply appropriate formulas for problem-solving
- Solve for and explain what a solution set to a linear inequality is
- Explain the properties of absolute value
- Recognize various types of linear equations, graph them, solve systems and know what they mean
- Know the definition of a principal square root, be aware of misconceptions of radicals, and use the radical sign correctly
- Identify a quadratic, be able to find the roots, and graph

EVALUATION AND GRADING

Weighted Grading System: Midterm: 30%, Homework & Quizzes: 30%, Final: 40%

In order to get the minimal passing grade of C, you have to receive at least 60% in your cumulative score (could be subject to change if deemed necessary).

COURSE EXPECTATIONS AND INFORMATION

- *Material*: A course curriculum weekly plan will be made available before the first day of class. All materials necessary to succeed in this course will be kept on Bb under "Resources". Material will be learned primarily through department videos. In addition, once a week, we will meet live on Zoom to go over prior material and provide a time for questions and answers. These meetings will be recorded and stored on Bb for reference as well. Students should be prepared for each of these meetings, having taken care of responsibilities previously laid out, and prepared with questions. Active participation makes the course better and more beneficial for everyone, so questions and discussions are more than welcome!

- *Textbook:* Our primary textbook is OpenStax's Intermediate Algebra. The textbook is free and will be available on Lumen. We will cover select chapters, although not necessarily in the same order or the same presentation as the book.

- *Homework*: The homework for this course will be completed through the free online platform, Lumen (https://ohm.lumenlearning.com/). Directions will be posted by the first day of the summer session (Monday, July 5th). Due to the condensed nature of the course, there will be more than one assignment each week. You will be allowed to use a set number of late passes during the semester should you need an extension. You might need to use a calculator on some homework problems, but it will not be required for exams.

- *Exams, Quizzes, etc.:* There will be one midterm (Friday, July 23rd) and one final exam (Friday, August 13th). In addition, there will be intermittent quizzes. All of these will be uploaded by the instructor to Gradescope (directions will be given on how to access this) and students will upload their solutions there as well. Quizzes are to be completed within a given time frame, however, exams will be proctored for all students at the same time. The time (in the morning) will be discussed at a later point, however, it will be on the dates aforementioned.

- *Makeups/Extra Credit:* No extra credit is offered. Makeups will not be allowed unless there is a situation with documentation to support it.

- *Class attendance and participation:* Attendance and active class participation, though not mandatory, are the easiest ways to stay on top of this course.

- *Technology:* It is highly recommended that you keep your camera on during our live meeting times. During exams, it will be required.

- *Blackboard and Email*: Students are expected to check their Stony Brook email account and log into Blackboard regularly for important course information.

- *Instructor Email and Appointments:* When you email me, please give me at least 24 hours to respond. If I do not respond within that time, then you may need to send me another email. Also, please state which course you are from. If you are interested in meeting with me during my office hours, please email me to let me know. I want to make sure that I can devote time to you and not have too many people show up.

- *Academic Success and Tutoring Center (ASTC):* The ASTC provides free academic support services for all undergraduate students, including one-on-one tutoring, small group tutoring, academic success coaching, and public speaking seminars. Learn more about these services and additional campus resources at www.stonybrook.edu/tutoring. Summer hours may be different.

- *The Math Learning Center (MLC):* The Math Learning Center (MLC): The MLC is a free resource for students, offering help with homework and studying in MAT courses. The MLC will be working in an online only capacity, please see http://www.math.stonybrook.edu/mlc/.

- *Student Accessibility Support Center:* If you have a physical, psychological, medical, or learning disability that may impact your course work, please contact the Student Accessibility Support Center, 128 ECC Building, (631) 632-6748, or at sasc@Stonybrook.edu. They will determine with you what accommodations are necessary and appropriate. All information and documentation is confidential.

- *Academic Integrity:* Each student must pursue his or her academic goals honestly and be held personally accountable for all submitted work. Representing another person's work as your own is always wrong. Faculty in the Health Sciences Center (School of Health Technology & Management, Nursing, Social Welfare, and Dental Medicine) and School of Medicine are required to follow their school-specific procedures. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to the academic judiciary website at http://www.stonybrook.edu/commcms/academic_integrity/index.html

- *Critical Incident Management:* Stony Brook University expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Office of University Community Standards any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, or inhibits students' ability to learn. Faculty in the HSC Schools and the School of Medicine are required to follow their school-specific procedures.