

**Stony Brook University**  
Mathematics Department  
Julia Viro

**Fundamentals of Arithmetic and Algebra**  
MAP 101  
Fall 2014

## Syllabus

**Course description:** The goal of the course is to revise arithmetic and build foundation for algebra study. We will learn various number systems: natural numbers, integers, rational and real numbers. We'll go over arithmetic operations of addition, subtraction, multiplication and division. We'll discuss what a variable is and learn to understand and construct algebraic expressions. We'll learn how to solve linear equations and word problems.

Note: This course is intended for students who have never studied algebra. Does not satisfy the entry skill in mathematics requirement or the D.E.C. category C requirement. Students who have otherwise satisfied D.E.C. category C may not register for this course. Overqualified students as determined by a placement test may be deregistered and directed to transfer to another course. Does not count toward graduation. A through C/Unsatisfactory grading only. The Pass/No Credit option may not be used.

**Course instructor:** Julia Viro. E-mail: [julia@math.sunysb.edu](mailto:julia@math.sunysb.edu)

**Meetings:** TuTh 10:00am-11:20am in Harriman Hall 115.

**Attendance:** compulsory.

**Blackboard** is the main resource to get the information about course materials, assignments, grades, announcements, contacts. Check it regularly.

**Homework** will be assigned weekly through Blackboard and collected in class. Homeworks will contain problems requiring handwritten complete solutions. Late homeworks will not be accepted.

**Tests:** Several tests (three to five) will be given during the course run.

**Grading system:** In order to get a passing grade, you have to attend all the class meetings, complete all the homeworks and solve all the test problems correctly. You will have possibilities to make-up incorrectly solved problems.

**Final Exam** is on Friday, December 12th at 11:15pm-1:45pm.

**Calculators** will not be used in class. We will concentrate on conceptual aspects of arithmetic and algebra rather than computational ones.

**Math Learning Center (MLC)** is a place where you can get free tutoring help with any of your math concerns. No appointment is required, just come in and ask for help. MLC is located in the basement of Math building, room S-240A. Website is [www.math.sunysb.edu/MLC/index.html](http://www.math.sunysb.edu/MLC/index.html)

**Disability support services (DSS) statement:** If you have a physical, psychological, medical, or learning disability that may impact your course work, please contact Disability Support Services (631) 6326748 or <http://studentaffairs.stonybrook.edu/dss/>. They will determine with you what accommodations are necessary and appropriate. All information and documentation is confidential. Students who require assistance during

emergency evacuation are encouraged to discuss their needs with their professors and Disability Support Services. For procedures and information go to the following website: [www.stonybrook.edu/ehs/fire/disabilities/asp](http://www.stonybrook.edu/ehs/fire/disabilities/asp).

**Academic integrity statement:** Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Faculty are required to report any suspected instance of academic dishonesty to the Academic Judiciary. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to the academic judiciary website at [www.stonybrook.edu/uaa/academicjudiciary](http://www.stonybrook.edu/uaa/academicjudiciary)

**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 Judicial Affairs any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, and/or inhibits students' ability to learn.