

MOLLOY UNIVERSITY
School of Education and Human Services
Teacher Education Department

EDU 5900 37

Exploring the New York State Next Generation Algebra 1 Common Core
Standards

Summer 2026

Synchronous Online Course

July 20th through July 23rd

Instructor: Deanna Pisciotta

Email: To be determined

Course Description:

Are you teaching Algebra 1 for the first time or need a refresher course on Algebra topics? Over the years the curriculum has changed for the regent Algebra 1 course. This course is designed to help Algebra 1 teachers to understand and interpret the New York State Next Generation Standards. During this class we will create units of study for the current Algebra 1 class and will focus on topics that are on the regent exam and how to best prepare the students for the regent exam.

Shared Vision:

The Molloy University Teacher Education Faculty has derived its vision for the exemplary teacher from the University's mission statement, the four pillars of the Dominican Tradition, comments and input from the Professional Education Unit's Advisory Board and degree candidates as well as numerous faculty discussions rooted in the department's knowledge base which undergirds the initial and advanced programs' curriculum, pedagogy, and values.

The teaching professionals who complete Molloy's teacher preparation programs are distinguished by their ability to exemplify and promote core values in their own teaching. These values include:

- Belief that all children can learn
- Learner-centered and value-centered curriculum and pedagogy
- Ethics and spirituality
- Intellectual curiosity
- Independence and risk-taking, while promoting collective identity and responsibility
- Diversity, multiculturalism, and pluralism, including divergent thinking
- Passion for teaching
- Commitment to students and their communities
- Civic responsibility through the promotion of social justice and interdependence
- Commitment to democracy

Course Objectives:

By the end of this course, participants will be able to:

- Navigate through the New York State Next Generation standards for Algebra 1
- Have a deep understanding of the Algebra 1 math curriculum
- Understand the connection between grade levels prerequisite material
- Determine the prior knowledge topics the students will need to know before beginning a topic.
- Create units of study to plan out a year
- Explore regent exams and understand the importance of referring to their questions when making assignments

Course format:

- This course will be offered online through Canvas, Molloy's learning management system. The course will open two days before the start date and close one week after the last day of class. This section is offered July 20th-July 23rd. There will be daily activities and discussions that must be completed at the end of each day. There will be a final project due on Friday, July 24th.

Required Readings, Videos, and Other Materials:

- All materials will be provided throughout the course.

Grading:

- 70% Module Assignments
- 10% Group Discussions/Attendance to online sessions
- 20% Final Project

Technical Support:

- *Canvas Support* is accessed through the HELP feature in the lower left hand corner of Canvas. You can either call Canvas at (844) 408-6455 or use the online chat feature. Both services are available 24 hours, 7 days a week.
- *Technology Support Services* is located in Kellenberg 022 and can be reached via phone: 516-323-4800, email: helpdesk@molloy.edu/tss
Technology services is also located on the second floor of Public Square and can be reached at 516-323-4817, or email slewis2@molloy.edu
Check their website for hours: <https://www.molloy.edu/tss>
- Check within the modules for FAQ for each of the technology tools being used.

Molloy University and School of Education and Human Services Policies and Supports:

Expectations of Academic Integrity for All Students

[Honor Pledge and Academic Honesty Policy](#)

Course Withdrawals

View the [Withdrawal Policy](#) for potential financial implications.

View the [Academic Calendar](#) and/or the course syllabus for the last day to withdraw dates.

Incompletes

[Incompletes Policy](#)

Health and Wellness

[Student Health Services](#)

[Student Counseling Center \(SCC\)](#)

Center for Access and Disability (Access)

[Supportive Tools and Resources/ Ally](#)

Ally for Canvas

[Supportive Tools and Resources/ Ally](#)

Use of Proctorio for Exams/Quizzes (if applicable)

[Proctorio Resources for Students](#)

Email Accounts

Students are expected to communicate via their Molloy email account or through Canvas throughout the semester. Those who use a non-Molloy account may miss important messages. Students are responsible for responding to all forms of communication related to this course in a timely manner. Instructors will respond to emails from students within 24 hours. When emailing the instructor(s), please include the course number and section you are enrolled in.

APA Manuscript Style

All manuscripts in the field of education are written in the style format of the American Psychological Association. Candidates in the Graduate Education Programs are required to purchase the Publication Manual of the American Psychological Association (7th ed.). (2010). American Psychological Association.

All papers written in every course must adhere to the manuscript prescriptions defined in

I look forward to working with you during this course. If you have any questions or concerns, please email me.

Dates and Times to Remember

Exploring the New York State Next Generation Middle School Math Standards

July 20th through July 23rd

Molloy University

Deanna Pisciotta

Email address to be determined

Assignments:

You will be required to attend two live sessions via zoom for this course. The first session will be on Monday, July 20th from 6:30 – 7:30 pm. The second session will be on Tuesday, July 21st from 6:30 -7:30 pm. During this time we will discuss the standards and have a conversation of topics students struggle with. Your final project will be due by Friday, July 24th at 10pm. Please make sure all work is submitted by the appropriate due dates.

Day	Assignment	Due
1- Monday, July 20 th	Module A: Introduction to the class. Module B: Attend online live session Module C: Link to the Algebra 1 State Standards Curriculum Module D: Article on Understanding Algebra Class and the standards	Introduction due by 9pm Live session reflection due by 9pm Answer the questions related to article by 9pm
2-Tuesday, July 21 st	Module A: Attend Live Session Module B: Discussion Board on commonly mistaken topics	Live session reflection due by 9pm Discussion board response due by 9pm

	Module C: Commonly mistaken topics	<i>Submit commonly mistaken question answers by 9 pm</i>
<i>Day 3- Wednesday, July 22nd</i>	Module A: Course Outline Submissions Module B: Discussion board on commonly mistaken topics.	<i>Course Outline due by 9pm</i> <i>Discussion board response due by 9 pm</i>
<i>Day 4: Thursday, July 23rd</i>	Module A: Lesson Plan for Final Unit Plan Module B: Discussion Board on Regent Exam Topics Module C: Regent Exam Reflection <i>Final Project</i>	<i>Lesson Plan due by 9 pm</i> <i>Discussion board response due by 9 pm</i> <i>Regent exam Reflection due by 9pm</i> <i>Final project due by Friday, July 24th 10 pm</i>