

COURSES

NONCREDIT MATHEMATICS COURSES

NMAT 200C - Concurrent Support for SLAM Mathematics

0 units

Concurrent Support for SLAM Math is for students interested in disciplines that require Statistics and Liberal Arts Mathematics (SLAM) courses. This course offers structured support to students who are concurrently enrolled in a first-level transfer course, such as Statistics and Mathematics for Liberal Arts, and Finite Mathematics. The support course includes material to prepare students for the rigor of the transfer math course by teaching learning skills necessary to succeed in college courses as well as review of relevant prerequisite algebraic and geometric concepts, and more in-depth investigation of core concepts in their concurrent math course. 54 hours laboratory.

Corequisite: MATH 40 or MATH 47 or MATH 33.

- Noncredit
- Grading Option: Pass/No Pass

NMAT 201C - Concurrent Support for BSTEM Mathematics

0 units

Concurrent Support for BSTEM Math is for students interested in Business, Science, Technology, Engineering and Mathematical fields. This course offers structured support to students who are concurrently enrolled in a first-level transfer course, such as College Algebra, Trigonometry, and Business Calculus. The support course includes material to prepare students for the rigor of the transfer math course by teaching learning skills necessary to succeed in college courses as well as review of relevant prerequisite algebraic and geometric concepts, and more in-depth investigation of core concepts in their concurrent math course. 54 hours laboratory.

Corequisite: MATH 30 or MATH 39 or MATH 34.

- Noncredit
- Grading Option: Pass/No Pass

NMAT 202C - Just In Time Tutoring for Mathematics

0 units

This course offers individualized support tailored to college students seeking assistance with their mathematics coursework. Trained tutors and instructors will provide tutoring in foundational mathematics subjects. Students will also develop the study skills needed to succeed in their math classes. 1 hours laboratory.

- Noncredit
- Grading Option: Pass/No Pass

NMAT 207 - Pre-Algebra

0 units

This course is intended to serve as a bridge between arithmetic and Elementary Algebra. It includes a review of arithmetic, operations involving signed integers, fractions, and decimals, variables and variable expressions, simple linear equations and their graphs, percent and proportion, introduction to statistics, geometry and measurement, and application problems. Students can petition to get credit for the credit Math 107 course by examination. 54 hours lecture, 54 hours laboratory.

- Noncredit
- Grading Option: Letter or P/NP

NMAT 210 - Elementary Algebra

0 units

Elementary algebra concepts, including: real numbers and their properties; algebraic expressions; integer exponents; operations with polynomial expressions; linear and quadratic equations; linear inequalities and set notation; graphs of linear equations and inequalities; slope; systems of linear equations and inequalities; and modeling with linear and quadratic equations. 72 hours lecture.

Prerequisite: Pre-Algebra or a higher level of mathematics.

- Credit - Not Degree Applicable
- Grading Option: Letter or P/NP

NMAT 255 - Intermediate Algebra

0 units

Intermediate Algebra concepts will be explored in this course including: an introduction to functions; linear and absolute value functions; absolute value equations and inequalities; compound linear inequalities; rational expressions, functions and equations; radical expressions, functions and equations; inverse of a function; exponential and logarithmic functions; properties of logarithms; exponential and logarithmic equations; conic sections; and systems of equations and inequalities. Multiple representations, applications and modeling with functions are emphasized throughout. Students can petition to get credit for the Math 55 Intermediate Algebra course by examination. 90 hours lecture.

Prerequisite: Elementary Algebra or a higher level of mathematics.

- Noncredit
- Grading Option: Letter or P/NP

NMAT 255C - Concurrent Support for Intermediate Algebra

0 units

This course is concurrent support for Intermediate Algebra. The course is designed to provide additional, formal support to students who are currently taking an Intermediate Algebra. It includes a review of arithmetic, algebraic and geometric concepts that are relevant to their Intermediate Algebra course, study strategies that promote understanding and improve performance, and more in-depth investigation of core concepts that are difficult for students to master. Embedded are learning skills such as growth mindset, brain research, time management, study skills, test taking, math anxiety and more. 54 hours laboratory.

Corequisite: MATH 55 or NMAT 255 or MATH 50 or NMAT 250.

- Noncredit
- Grading Option: Pass/No Pass

NMAT 256 - Geometry

0 units

Topics include congruence, similarity, right triangles, trigonometry, circles, expressing geometric properties with equations, geometric measurement and dimension, modeling with geometry, conditional probability and the rules of probability, and using probability to make decisions. 54 hours lecture, 27 hours laboratory.

Prerequisite: Elementary Algebra or a higher level of mathematics.

- Credit - Not Degree Applicable
- Grading Option: Letter or P/NP

NMAT 260A - Math Jam Introduction to Tutoring

0 units

Math Jam is designed to help students prepare for their upcoming math class. This Math Jam Tutor Training course is designed to train tutors prior to Math Jam in strategies for effectively engaging students in learning difficult math concepts. Tutors will learn about intelligent practices for mastering material and how to navigate in the online course environment participants will be using during Math Jam. This is designed for students

who are interested in becoming a paid mathematics tutor at Las Positas College or in any educational capacity. 4 hours lecture.

- Noncredit
- Grading Option: Pass/No Pass

NMAT 260B - Math Jam for Tutors

0 units

Math Jam is designed to help students prepare for their upcoming math class. This Math Jam Tutor Training course supports tutors during Math Jam to apply strategies for effectively engaging students in learning difficult math concepts with participants. Tutors apply knowledge around intelligent practices for mastering material as they tutor participants during Math Jam. This is an excellent second course for students who are interested in becoming a paid mathematics tutor at Las Positas College or in any educational capacity. 5 hours lecture.

- Noncredit
- Grading Option: Pass/No Pass

NMAT 264 - Math Jam for SLAM Preparation

0 units

Math Jam for SLAM Prep is for students preparing for math courses in Statistics and Probability or Mathematics for Liberal Arts. Math Jam is a FREE noncredit program designed to help students prepare for their upcoming math class at a community college. Embedded are essential study and life skills to develop each student holistically, including career development. Students will be learning prerequisite algebraic and basic probability material with the goal of preparing them to be successful in their upcoming first-level transfer course of Statistics or Math for Liberal Arts class. It is strongly recommended that students taking this course be enrolled in Math 40: Statistics and Probability or Math 47: Mathematics for Liberal Arts at Las Positas College. 12 hours laboratory.

- Noncredit
- Grading Option: Pass/No Pass

NMAT 265 - Math Jam for BSTEM Preparation

0 units

Math Jam for BSTEM Prep is for students preparing for math courses in College Algebra, Trigonometry, Business Calculus and review prior to Calculus I. Math Jam is a noncredit program designed to help students prepare for their upcoming STEM focused math class at a community college. Embedded are essential study and life skills to develop each student holistically, including career development. Students will be learning pre-transfer level material with the goal of preparing them to be successful in their upcoming class. It is strongly recommended that students taking this course are enrolled in a community college math course. 12 hours laboratory.

- Noncredit
- Grading Option: Pass/No Pass