



MA 103-01-12: College Algebra
School of Natural Sciences & Mathematics
[Chaminade University Honolulu](#)
Spring 2026 / 3 Credits
Monday, Wednesday, Friday 11:35 am – 12:35 pm
Sacred Hearts Academy

Instructor: Dr. Travis Mukina
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Office Location: Brogan 132
✓Direct Message: GroupMe App

Learning Materials

- **Textbook:** Blitzer, R. (2016). *Algebra for College Students*. 8th ed. Pearson. ISBN: 9780134180847
- **Desmos App:** Used daily as a free graphing calculator app.
- **GroupMe App:** Used to stay up-to-date with all class announcements, assessments, and questions between you, your professor, and your classmates.
- **Canvas Student App:** Used to submit assessments and check progress on mastery of course learning outcomes.
- **3-Ring Binder:** Used to hold all GOs, BTAs, CFUs, and Assessments



Course Catalog Description

Algebra knowledge and skills for college studies: Sets and real number system; exponents and polynomials, rational and radical equations, and systems of equations; introductions to analytic geometry and functions; exponential and logarithmic functions; the binomial theorem and integer functions.

Course Overview

This course is designed to produce better conceptual understanding of functions and mathematics in general that leads into understanding procedural understanding of formulas. A strong development of number relationships also occurs from class discussions, sharing of ideas, and thought-provoking assessments.

Marianist Values

This class represents one component of your education at Chaminade University of Honolulu. An education in the Marianist Tradition is marked by five principles and you should take every opportunity possible to reflect upon the role of these characteristics in your education and development:

1. Education for formation in faith
2. Provide an integral, quality education
3. Educate in family spirit
4. Educate for service, justice and peace
5. Educate for adaptation and change

Native Hawaiian Values

Education is an integral value in both Marianist and Native Hawaiian culture. Both recognize the transformative effect of a well-rounded, value-centered education on society, particularly in seeking justice for the marginalized, the forgotten, and the oppressed, always with an eye toward God (Ke Akua). This is reflected in the 'Olelo No'eau (Hawaiian proverbs) and Marianist core beliefs:

1. Educate for Formation in Faith (Mana) E ola au i ke akua ('Olelo No'eau 364) May I live by God
2. Provide an Integral, Quality Education (Na'auao) Lawe i ka ma'alea a kū'ono'ono ('Olelo No'eau 1957) Acquire skill and make it deep
3. Educate in Family Spirit ('Ohana) 'Ike aku, 'ike mai, kōkua aku kōkua mai; pela iho la ka nohana 'ohana ('Olelo No'eau 1200) Recognize others, be recognized, help others, be helped; such is a family relationship
4. Educate for Service, Justice and Peace (Aloha) Ka lama kū o ka no'eau ('Olelo No'eau 1430) Education is the standing torch of wisdom
5. Educate for Adaptation and Change (Aina) 'A'ohe pau ka 'ike i ka hālau ho'okahi ('Olelo No'eau 203) All knowledge is not taught in the same school

Program Learning Outcomes [PLOs]

| | |
|--------------|---|
| PLO 1 | To demonstrate the understanding and skills in reading, interpreting, and communicating mathematical concepts which are integrated into other disciplines or appear in everyday life |
| PLO 2 | To gain understandings of, and practical skills in logical thinking, deductive and inductive reasoning |
| PLO 3 | To articulate the understanding of more advanced mathematical concepts and computational skills to support the study of other disciplines, including skills with numeric, analytic, and graphical methods |
| PLO 4 | Where relevant, to develop mathematical maturity to undertake higher-level studies in mathematics and related fields |

General Education Outcomes [GEOs]

| | |
|--------------|---|
| GEO 1 | <i>Quantitative Skills:</i> Students will apply basic mathematical principles needed to function effectively and develop mathematical reasoning and problem-solving skills. |
| GEO 2 | <i>Information Literacy:</i> Students will define, identify, locate, and evaluate, synthesize, and present or demonstrate relevant information. |

Course Learning Outcomes [CLOs]

| | |
|---------------|---|
| CLO 1 | Apply and evaluate number-sense strategies, including operations with whole numbers, integers, and fractions, to accurately justify computations used in algebraic problem-solving |
| CLO 2 | Simplify algebraic expressions with and without exponents, and solve linear equations in one variable |
| CLO 3 | Define and represent functions using multiple forms, analyze graphs of function behavior, and apply algebraic operations on functions |
| CLO 4 | Interpret and analyze information from graphs and equations of linear functions, and solve systems of linear equations and inequalities |
| CLO 5 | Apply polynomial multiplication and analyze expressions to identify, select, and perform appropriate factoring techniques of polynomial expressions |
| CLO 6 | Solve quadratic equations using a variety of methods, and analyze quadratic functions by interpreting their algebraic forms and constructing accurate graphs to describe key features |
| CLO 7 | Simplify rational expressions, apply algebraic operations, and solve rational equations by analyzing domain restrictions and verifying solutions |
| CLO 8 | Simplify radical expressions and rational exponents, apply algebraic operations, and solve radical equations by analyzing domain restrictions and verifying solutions |
| CLO 9 | Construct and evaluate composite and inverse functions to model relationships and determine their properties in algebraic contexts |
| CLO 10 | Contribute to a building thinking classroom by proactively participating in daily in-person activities |

Alignment of Learning Outcomes

| | CLO 1 | CLO 2 | CLO 3 | CLO 4 | CLO 5 | CLO 6 | CLO 7 | CLO 8 | CLO 9 | CLO 10 |
|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| Marianist Values | 2, 5 | 2, 5 | 2, 5 | 2, 5 | 2, 5 | 2, 5 | 2, 5 | 2, 5 | 2, 5 | 2, 5 |
| PLOs | 1, 2, 3, 4 | 1, 2, 3, 4 | 1, 2, 3, 4 | 1, 2, 3, 4 | 1, 2, 3, 4 | 1, 2, 3, 4 | 1, 2, 3, 4 | 1, 2, 3, 4 | 1, 2, 3, 4 | 1, 2, 3, 4 |

What is the Point of Math Class?

Collaboration

Communicate Thoughts & Ideas

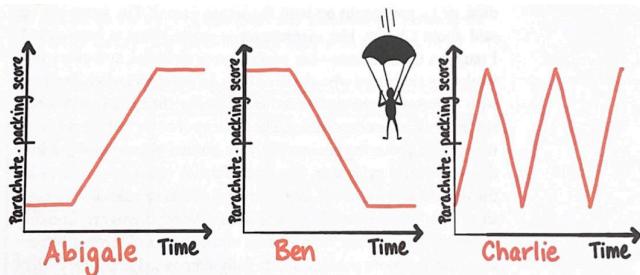
Creativity

Critical Thinking

Assessment

This course is designed to contribute in a different and significant way to your knowledge and experience relative to diagnosis and remediation of mathematics. Always be prepared to effectively participate in class discussions, analyze the thinking of others in class, and clearly explain your thinking. A Mastery rubric is provided with every assessment with Mastery being defined as your most recent assessment level. Feedback on all assessments is provided within 7 days of submission. All Written & Verbal Assessments must be completed **and** be completed in order, or a passing grade cannot be earned in the course.

| How Many CLOs Demonstrate Mastery? | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|--|
| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | |
| A | A | B | C | D | F | F | F | F | F | F | |



1. Participation Assignments

Assessed: Entire Semester

- There are multiple assignments that do not affect your overall grade, but are all required to complete in move throughout the course and order to receive a grade in the course:
 - GroupMe Registration
 - Mathematical Beliefs Questionnaire (Pre & Post)
 - CLO Exit Tickets

2. Written Assessments

[CLO 1, 2, 3, 4, 5, 6, 7, 8, 9]

Assessed: At the completion of CLOs 1 & 2, CLOs 3 & 4, CLOs 5 & 6, CLOs 7, 8, 9

- These assessments focus on Course Learning Outcomes (CLOs) demonstrated in the building thinking classroom activities and strategies used in your Check for Understanding. A full class period is provided to master multiple CLOs in a written communication format.

3. Verbal Assessments

[CLO 1, 2, 3, 4, 5, 6, 7, 8, 9]

Assessed: At the completion of CLOs 1, 2, 3, 4 and CLOs 5, 6, 7, 8, 9

- These assessments focus on Course Learning Outcomes (CLOs) demonstrated in the building thinking classroom activities and strategies used in your Check for Understanding. A 10-minute designated time slot is provided to master one CLO in a verbal communication format.

4. Optional Written Assessments

[CLO 1, 2, 3, 4, 5, 6, 7, 8, 9]

Assessed: At the completion of CLOs 1, 2, 3, 4 and CLOs 5, 6, 7, 8, 9

- These assessments focus on Course Learning Outcomes (CLOs) demonstrated in the building thinking classroom activities and strategies used in your Check for Understanding. A full class period is provided to master multiple CLOs in a written communication format.

5. Building a Thinking Classroom

[CLO 10]

Assessed: Throughout the Semester

- You are expected to contribute to our building thinking classroom by communicating effectively with your classmates to solve various mathematical situations. To earn Mastery for CLO 10, the following must be met:
 - Absent/Tardy 6 or less days of in-person class, for any reason, during the entire semester

Kōkua 'Ike: Tutoring & Learning Services

Chaminade is proud to offer free, one-on-one tutoring and writing assistance to all students. Tutoring and writing help is available on campus at Kōkua 'Ike: Center for Student Learning in a variety of subjects (including, but are not limited to biology, chemistry, math, nursing, English, etc.) from trained Peer and Professional Tutors. Please check [Kōkua 'Ike's](#) website for the latest times, list of drop-in hours, and information on scheduling an appointment. Free online tutoring is also available via TutorMe. Tutor Me can be accessed 24/7 from your Canvas account. Simply click on Account > TutorMe. For more information, please contact Kōkua 'Ike at tutoring@chaminade.edu or 808-739-8305.

Course Policies

Attendance Policy

Students are expected to attend regularly all courses for which they are registered. Students should notify their instructors when illness or other extenuating circumstances prevents them from attending class and make arrangements to complete missed assessments. Notification may be done by contacting the instructor via a direct message on GroupMe. It is the instructor's prerogative to modify deadlines of course requirements accordingly.

- Any student who stops attending a course without officially withdrawing may receive a failing grade.
- Unexcused absences equivalent to more than a week of classes may lead to a grade reduction for the course.
- Any unexcused absence of two consecutive weeks or more for any reason will result in being withdrawn from the course by the instructor.
- Repeated, non-consecutive absences for any reason put students at risk of a failing grade.

Federal regulations require continued attendance for continuing payment of financial aid. When illness or personal reasons necessitate continued absence, the student should communicate first with the instructor to review the options. Anyone who stops attending a course without official withdrawal may receive a failing grade or be withdrawn by the instructor at the instructor's discretion.

Late Work Policy

Always accepted, but feedback may be delayed.

Grades of Incomplete

This policy on incomplete grades aligns with the same University policies.

Instructor and Student Communication

Questions for this course can be sent through a direct message on the GroupMe app. Online and/or in-person meetings can be arranged. Response time will take place up to 24 hours.

Important Information

Academic Honesty

Academic honesty is an essential aspect of all learning, scholarship, and research. It is one of the values regarded most highly by academic communities throughout the world. Violations of the principle of academic honesty are extremely serious and will not be tolerated.

Students are responsible for promoting academic honesty at Chaminade by not participating in any act of dishonesty and by reporting any incidence of academic dishonesty to an instructor or to a University official.

Academic dishonesty may include theft of records or examinations, alteration of grades, and plagiarism, in addition to more obvious dishonesty.

Questions of academic dishonesty in a particular class are first reviewed by the instructor, who must make a report with recommendations to the Dean of the Academic Division. Punishment for academic dishonesty will be determined by the instructor and the Dean of Academic Division and may include an "F" grade for the work in question, an "F" grade for the course, suspension, or dismissal from the University.

For the most up to date information, please refer to the [Academic Honesty Policy](#) on the Chaminade University Catalog website.

Title IX and Nondiscrimination Statement

Chaminade University of Honolulu is committed to providing a learning, working and living environment that promotes the dignity of all people, inclusivity and mutual respect and is free of all forms of sex discrimination and gender-based violence, including sexual assault, sexual harassment, gender-based harassment, domestic violence,

dating violence, and stalking. As a member of the University faculty, I am required to immediately report any incident of sex discrimination or gender-based violence to the campus Title IX Coordinator.

Nondiscrimination Policy & Notice of Nondiscrimination

Chaminade University of Honolulu does not discriminate on the basis of sex and prohibits sex discrimination in any education program or activity that it operates, as required by Title IX and its regulations, including in admission and employment. Inquiries about Title IX may be referred to the University's Title IX Coordinator, the U.S. Department of Education's Office for Civil Rights, or both and contact information may be found at the [Chaminade University Title IX Office Contact Information and Confidential Resources website](#). On-campus Confidential Resources may also be found here at [CAMPUS CONFIDENTIAL RESOURCES](#).

The University's Nondiscrimination Policy and Grievance Procedures can be located on the University webpage at: <https://chaminade.edu/compliance/title-ix-nondiscrimination-policies-procedures/>.

To report information about conduct that may constitute sex discrimination or make a complaint of sex discrimination under Title IX, please refer to the [Campus Incident Report form](#). Chaminade University of Honolulu prohibits sex discrimination in any education program or activity that it operates. The NOTICE of NONDISCRIMINATION can be found here: [Notice of Nondiscrimination](#).

CUH Alert Emergency Notification

To get the latest emergency communication from Chaminade University, students' cell numbers will be connected to Chaminade's emergency notification text system. When you log in to the Chaminade portal, you will be asked to provide some emergency contact information. If you provide a cell phone number, you will receive a text from our emergency notification system asking you to confirm your number. You must respond to that message to complete your registration and get emergency notifications on your phone.

Assessment for Student Work

With the goal of continuing to improve the quality of educational services offered to students, Chaminade University conducts assessments of student achievement of course, program, and institutional learning outcomes. Student work is used anonymously as the basis of these assessments, and the work you do in this course may be used in these assessment efforts.

Student with Disabilities Statement

Chaminade University of Honolulu offers accommodations for all actively enrolled students with disabilities in compliance with Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act (ADA) of 1990, and the ADA Amendments Act (2008).

Students are responsible for contacting Kokua Ike: Center for Student Learning to schedule an appointment. Verification of their disability will be requested through appropriate documentation and once received it will take up to approximately 2–3 weeks to review them. Appropriate paperwork will be completed by the student before notification will be sent out to their instructors. Accommodation paperwork will not be automatically sent out to instructors each semester, as the student is responsible to notify Kokua Ike via email at ada@chaminade.edu each semester if changes or notifications are needed.

Credit Hour Policy

This is a three-credit hour course requiring 135 clock hours of student engagement, per the official CUH Credit Hour Policy.

| Clock Hour Category | Total Time (hours) |
|---|--------------------|
| In Class - Seat Time | 37.5 |
| In Class - Weekly Math Hour | 10 |
| Outside Class - Remaining Hours • Study • Video Lectures • Check for Understanding | 87.5 |
| Remaining Hours / 15 Weeks | ~ 5.8 hours / week |

| CLO # Dates | Content | Assessments |
|---------------------------------------|--|--|
| CLO 1 January 12 - 22 | Number Sense <ul style="list-style-type: none"> Operations with Whole Numbers Operations with Integers Operations with Fractions |  GroupMe Registration  Mathematical Beliefs Questionnaire (Pre) |
| CLO 2 Jan 23 - Feb 1 | Foundational Algebra <ul style="list-style-type: none"> Algebraic Expressions, Real Numbers, & Interval Notation Operations with Real Numbers & Simplifying Algebraic Expressions Solving Linear Equations Properties of Exponents |  CLO 1 & 2 Written Assessment  CLO 1 & 2 Exit Ticket |
| CLO 3 February 2 - 8 | Functions <ul style="list-style-type: none"> Introduction to Functions Graphs of Functions Algebra of Functions | |
| CLO 4 February 9 - 22 | Linear Functions & Equations <ul style="list-style-type: none"> Linear Functions & Slope Point-Slope Form of a Line Systems of Linear Equations Linear Inequalities |  CLO 3 & 4 Written Assessment  CLO 3 & 4 Exit Ticket |
| CLOs 1 - 4 February 24 & 27 |  CLO 1 - 4 Verbal Assessment #1: <i>Monday, February 23</i>  CLO 1 - 4 Verbal Assessment #2: <i>Wednesday, February 25</i>  CLO 1 - 4 Optional Written Assessment: <i>Friday, February 27</i> | |
| CLO 5 March 2 - 15 | Factoring Polynomials <ul style="list-style-type: none"> Multiplication of Polynomials Greatest Common Factors and Factoring by Grouping Factoring Trinomials Factoring Special Forms General Factoring Strategy | |
| Spring Break March 16 - 20 | | |
| CLO 6 March 23 - 29 | Quadratic Functions & Equations <ul style="list-style-type: none"> Square Root Property & Completing the Square Quadratic Formula Quadratic Functions & Their Graphs |  CLO 5 & 6 Written Assessment  CLO 5 & 6 Exit Ticket |
| CLO 7 Mar 30 - April 9 | Rational Expressions & Equations <ul style="list-style-type: none"> Multiplying & Dividing Rational Expressions Adding & Subtracting Rational Expressions Complex Rational Expressions Division of Polynomials Rational Equations | |
| CLO 8 April 10 - 19 | Radical Expressions & Equations <ul style="list-style-type: none"> Rational Exponents Multiplying Radical Expressions Adding, Subtracting, & Dividing Radical Expressions Rationalizing Denominators Radical Equations | |
| CLO 9 April 20 - 26 | Composite & Inverse Functions <ul style="list-style-type: none"> Composition of Functions Inverse Functions |  CLO 7, 8, 9 Written Assessment  CLO 7, 8, 9 Exit Ticket  Mathematical Beliefs Questionnaire (Post) |
| CLOs 5 - 9 April 28 & May 1 |  CLO 5 - 9 Verbal Assessment #1: <i>Monday, April 27</i>  CLO 5 - 9 Verbal Assessment #2: <i>Wednesday, April 29</i>  CLO 5 - 9 Optional Written Assessment: <i>Friday, May 1</i> | |
| CLOs 1 - 9 May 4 |  CLO 1 - 9 Optional Written Assessment: <i>Monday, May 4</i> | |