



School of Natural Sciences and Mathematics

MA 102

Sullivan Library Hall 102

Monday, Wednesday & Friday 2:30 pm - 3:20 pm

Credits: 3

Term: Fall 2025

Instructor Information



Instructor: Jerelyn T. Watanabe

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Phone: 808.258.9239

Office Location: Henry 123C

Office Hours: TBD

Communication

With me

Canvas Inbox will be the primary platform for communication with me and I will respond to your messages within 24 hrs M-F. I will send a weekly informational message through Canvas Inbox which will include preparation for each class. My expectation is that you will read all Inbox messages from me and will come to class prepared and with all required materials.

You are also welcome to text me 24-7 (yes, including at night and on weekends) and I will do my best to respond promptly.

If you will be late or will miss class, please send me a message through Canvas Inbox or text as soon as possible. Attendance is required and your presence is important to the class dynamic. We will all miss out on learning opportunities when you are not in class.

With other students

Canvas Inbox will also be the primary way for you to communicate with other students in this class. Please respond to messages from other students within 24 hours if at all possible.

Netiquette

When interacting with others in this course, remember that we are all humans deserving of respect and consideration. This description of excellent Netiquette comes from the University of Connecticut's Rules of Netiquette in Online & Distance Learning Courses: <https://onlinestudent.uconn.edu/netiquette/>

School & Department Information

School of Natural Sciences and Mathematics

Office Location: Wesselkamper Hall 116

Phone: (808) 440-4204

If you have questions regarding the Mathematics Department, reach out to your Instructor or the School of Natural Sciences & Mathematics.

Course Description & Materials

Catalog Course Description

MA 102 Introductory Algebra

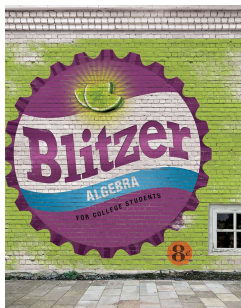
Real numbers and their basic properties, polynomials, factoring, rational expressions, simple radicals expressions, square roots and cube roots, lines and linear equations, inequalities, systems of linear equations, and applications of equations (word problems). Credits not applicable towards the general education requirement in mathematics for any degree.

Time Allocation

MA 102 is a three-credit hour course requiring 135 clock hours of student engagement, per the official CUH Credit Hour Policy. Over the 15 weeks of this course, students will spend 45 hours in class engaged through lectures and applied problem solving (4 hrs per week), 75 hours on self-directed reading and problem solving to complete assignments (5 hrs per week), and 30 hours preparing for and taking midterms and the final exam.

Required Materials

1. e-Textbook and Online Assignments



Pearson MyLab Math
Algebra for College Students, 8th Edition
Author: Bob Blitzer
Publisher: Pearson
ISBN-10 : 0134180844
ISBN-13 : 978-0134180847
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2. Designated Course Binder or Folder

Technology Information

Canvas (<https://chaminade.instructure.com>) will be used to share information with you about the class schedule, activities, and grades.

You will need a laptop or tablet to submit assignments in Canvas and use other online tools. You **will not need to create an account** for the external websites and services used in this course. If you do choose to create an account, this may allow you to access additional features within the learning tools. We may use the following external websites and services:

- [Zoom](#)
- Desmos Scientific Calculator <https://www.desmos.com/scientific>
- Desmos Graphing Calculator <https://www.desmos.com/calculator>

Images of Desmos tools may be used with attribution and are governed by the Creative Commons "Attribution-ShareAlike" license ([CC-BY-SA-4.0](https://creativecommons.org/licenses/by-sa/4.0/)).

Learning Outcomes

Program Learning Outcomes (PLOs)

Learning Outcomes for the Minor in Mathematics

1. Students will generalize and apply mathematical concepts that are integrated into disciplines or appear in everyday life.
2. Students will distinguish and apply mathematical perception and practical skills in logical thinking, carrying out deductive and inductive reasoning.
3. Students will utilize the more advanced mathematical knowledge and computational skills to the study of other disciplines, numerically, analytically and graphically.
4. Where relevant, students will be able to initiate the growth of their own mathematical maturity to undertake higher-level studies in mathematics and related fields.

Course Learning Outcomes (CLOs)

Upon successful completion of MA 102, the student will demonstrate:

1. Quantitative Skills – Students will
 - a. Apply basic mathematical principles needed to function effectively,
 - b. Develop mathematical reasoning, and
 - c. Develop problem solving skills.
2. Information Literacy – Students will define, identify, locate, evaluate, synthesize, and present or demonstrate relevant information.

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, and integrity of creation.
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 'Ōlelo No'eau (Hawaiian proverbs) and Marianist core beliefs:

1. Educate for Formation in Faith (Mana) E ola au i ke akua ('Ōlelo 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 ('Ōlelo 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 ('Ōlelo 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 ('Ōlelo 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 ('Ōlelo No'eau 203) All knowledge is not taught in the same school

*Na'auao
Lawe i ka ma'alea a kū'ono'ono
(‘Ōlelo No’eau 1957)
Acquire skill and make it deep.*

All of you are enrolled in this course because it is required and I hope you are looking forward to increasing your skill and confidence in mathematics.

Every one of you will have a different math foundation and this class is an opportunity for me to activate the Marianist value, “Provide an integral, quality education.” through my teaching. My goal is to strengthen your math understanding and skills while I share Introductory Algebra concepts with you.

The corresponding Native Hawaiian value of Na'auao, and 'Ōlelo No'eau 1957, “Acquire skill and make it deep,” speaks to your learning. This course will provide opportunities for you to deepen your observational and diagnostic skills through the abstract concepts that are presented in the course. While you may not apply these concepts directly in your career, these skills will translate to your particular context.

‘Ohana

‘Ike aku, ‘ike mai, kōkua aku kōkua mai; pela iho la ka nohana ‘ohana

‘Ōlelo No‘eau 1200

Recognize others, be recognized, help others, be helped; such is a family relationship.

Given the diversity of your previous experiences with math, I consider the Marianist value, “Educate in family spirit,” to be crucial to my teaching and your learning. I believe that the best way to learn is to teach and everyone will be asked to share their understanding with your peers. Some of you may have more experience with math, others will understand new concepts more quickly. All of you remember what it was like to engage with a difficult course and perhaps found success in part through the support of your peers. My experience at Chaminade has been that students, staff, and other professors engage with each other with kindness and consideration. This is one of the manifestations of this Marianist value in the Chaminade community.

Specifically, when we do math problems, we will do them together, in class. Since there is only one of me, I ask that you work with a small group and try to resolve any questions amongst yourselves before you ask me. I hope that by explaining your understanding to your peers, you will gain confidence in your math skills.

Alignment of Marianist Values, PLOs, and Native Hawaiian Values with Course Learning Outcomes

	CLO 1a: Quantitative Skills - apply basic math principles	CLO 1b: Quantitative Skills - develop math reasoning	CLO 1c: Quantitative Skills - problem solving	CLO 2: Information Literacy
Marianist Values	2.Quality Education 3.Educate in Family Spirit	2.Quality Education 3.Educate in Family Spirit	2.Quality Education 3.Educate in Family Spirit	2.Quality Education 3.Educate in Family Spirit
PLOs	1. Apply math concepts in disciplines or everyday life	1. Apply math concepts in disciplines or everyday life	1. Apply math concepts in disciplines or everyday life	1. Apply math concepts in disciplines or everyday life
Native Hawaiian Values	2. Na‘auao 3. ‘Ohana	2. Na‘auao 3. ‘Ohana	2. Na‘auao 3. ‘Ohana	2. Na‘auao 3. ‘Ohana

Course Assessments**MyLab e-Textbook Readings and Assignments**

You are expected to read the text and complete online assignments in MLM in preparation for our classes. This process supports internalizing new ideas into your existing understanding and identifies

concepts that need to be addressed during class. You may redo the assignments. 20% of your Final Grade.

Handwritten Problem Sets

Completing the problem sets will be required for your success and is an extremely important way for you to communicate your understanding of math concepts to me. Expect to be challenged and feel uncomfortable as you gain understanding, however, we will do most of this in class so that you will be supported by your instructor and your peers during the process. While collaboration on problem sets is required, my expectation is that your submitted assignments will present your individual version of the solution. You may use a scientific or graphing calculator on problem sets. 40% of your Final Grade.

Exams and a Final Exam

Exams will consist of several written problems based on the assigned problem sets. You may use a scientific or graphing calculator on exams. 40% of your Final Grade.

Alignment of Assessments with Course Learning Outcomes

	CLO 1a: Quantitative Skills - apply basic math principles	CLO 1b: Quantitative Skills - develop math reasoning	CLO 1c: Quantitative Skills - problem solving	CLO 2: Information Literacy
Reading & Homework	Yes	Yes	Yes	Yes
Problem Sets	Yes	Yes	Yes	Yes
Exams	Yes	Yes	Yes	Yes

Communication Regarding Assessments

I will grade handwritten assignments within one week of submission and all grades will be entered in Canvas. I will write comments directly on handwritten assignments such as problem sets and exams. My expectation is that you read these comments whether or not you choose to revise your assignment.

While collaboration on assessments is required, my expectation is that your submitted assignments will be your individual version of the solution. There may be one answer but each student will explain it differently based on their background knowledge and distinct perspective.

Course Policies

Attendance

Attendance at every class is required though you will be excused due to illness or extenuating circumstances. If you will miss a class send me an email or text as soon as possible so that we can set up an appointment to go over the activities that you would miss.

Late Work

Each course activity is essential to the learning outcomes so it is expected that every activity is completed to the best of your ability. Therefore, late work will be accepted as long as you send a request for an extension ahead of the due date.

Extra Credit

Each course activity is essential to the learning outcomes so it is expected that every activity is completed to the best of your ability. Limited Extra Credit opportunities may be available.

AI

Understanding math concepts requires interaction with problem solving in as many modalities including handwritten explanations, drawing diagrams, graphing, and solving mathematical equations. You may use AI to find solutions, however, your submitted assignments will be your individual version of the solution. There may be one answer but each student will explain it differently based on their background knowledge and distinct perspective.

Changes to the Syllabus

While the provisions of this syllabus are as accurate and complete as possible, your instructor reserves the right to change any provision herein at any time. Every effort will be made to keep you advised of such changes, and information about such changes will be available from your instructor.

Grades of Incomplete

It is expected that you will complete the course activities in a timely manner during the semester. However, a student may obtain an I-grade with instructor permission.

Final Grades

Final grades are submitted to [Self-Service](#):

A = 90% and above

B = 80-89%

C = 70-79%

D = 60-69%

F = 59% and below

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 cellphone 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.

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.

Readings & Due Dates

Week	Topics	Reading
1 Aug 25-29	Course Introduction Real numbers and basic properties	1.1 & 1.2
2 Sept 1 - 5	Monday, Sept 1 Labor Day Holiday More basic properties Graphing lines (equations)	1.2 & 1.3
3 Sept 8-12	Linear equations Problem solving	1.4 & 1.5
4 Sept 15-19	Exam 1 - 1.1, 1.2, 1.3, 1.4 Integral exponents	1.6
5 Sept 22-26	Systems of linear equations Applications of equations	3.1 & 3.2
6 Sept 29 - Oct 3	Linear inequalities	4.1
7 Oct 6-10	Polynomials Polynomial Functions	5.1
8 Oct 13-17	Monday, Oct 13 Indigenous Peoples Day Holiday Exam 2 1.5, 1.6, 3.1, 3.2, 4.1	5.1
9 Oct 20-24	Multiplication of Polynomials Greatest Common Factor	5.2 & 5.3
10 Oct 27-31	Factoring by Grouping Factoring Trinomials	5.3 & 5.4
11 Nov 3-7	Polynomial Equations and Applications	5.7
12 Nov 10-14	Tuesday, Nov 11 Veteran's Day Holiday Exam 3 - 5.1, 5.2, 5.3, 5.4, 5.7	
13 Nov 17-21	Rational Expressions	6.1
14 Nov 24-28	W - F Nov 26-28 Thanksgiving Holiday Radicals	7.1
15 Dec 1-5	Rational Exponents	7.2
Final Exam	Monday, Dec 8, 11 am - 1 pm	