



Chaminade University

Natural Sciences and Mathematics

Mathematics Department

MA100

Fall 2026 DUG

Professor Contact Information

Instructor	Dr. Sheryl Dohm (call me ProfS)
Email	Sheryl.dohm@chamianade.edu] Also use Canvas
Phone	808-739-8561 *email is best
Office Location	Henry Hall 123
Office Hours	Tues 9-10am or by appt.

Communication

1. Canvas email: for quickest response use the email function in Canvas
2. Regular email: sheryl.dohm@chaminade.edu
3. Check for my response within a timely manner, in accordance to nature of email.
4. Emails from non-Chaminade or Canvas will no be responded to.

If you email me outside of office hours, please allow one-two business days for a response. (pro-hint: please please do not wait until the last minute to seek help with course material)

School & Department

School	College of Arts and Sciences
Location	Wesselkamper Science Center
Phone	(808) 440-4204
Questions?	Contact your professor (see above contact info). I will either reply to email. Or will address during next class meeting.

Course Course Description & Materials

MA-100 Quantitative Reasoning and Mathematical Skills (3)

A study of various topics including an introduction to sets, logic, number systems, basic skills in algebra and geometry, consumer mathematics, probability and statistics, with an emphasis on problem solving, quantitative and logical thinking. This course fulfills the Track A general education requirement in mathematics. The course is intended as a terminal course and is not a prerequisite for any other course in mathematics. Offered every semester.

If you have questions about your math placement, please see your academic advisor.

Course Snapshot

Modality	Face-to-Face
Time Commitment	See Credit Hour Policy Below
Required e-Textbook	Original Materials:  Thinking Mathematically 8th Edition Author(s): Blitzer, Robert Textbook ISBN-13: 9780137551224 Series: MyLab Math
Canvas	Syllabus, digital handouts, link to Pearson MLM. Canvas not used for gradebook or announcements.

Learning Outcomes

Math General Education Outcomes (Program Learning Outcomes: PLOs)

Upon completion of [degree program name], the student will be able to:

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

Course Learning Outcomes (CLOs)

Upon completion of [course], the student will be able to:

MA100 Course Learning Outcomes

1. **Apply** set theory to qualitative analysis.
2. **Differentiate** between valid and sound arguments using principles of logic.
3. **Perform** operations with real numbers accurately.
4. **Solve** problems involving composite geometry.
5. **Analyze and interpret** probability and statistical data.
6. **Apply** dimensional analysis and ratio-proportion methods to solve problems.
7. **Calculate** income tax for given scenarios.
8. **Formulate and solve** real-world problems using mathematical models.

Marianist Values

An education in the Marianist Tradition is marked by five principles. Reflect on how this course relates to one or more:

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.

Through the study of equations and systems of equations this, course will help provide tools to promote, service, justice and peace, adaptation for change.

University Native Hawaiian Values

Education is central to both Marianist and Native Hawaiian culture — both seek transformative, value-centered learning that serves the marginalized. This is reflected in the ‘Ōlelo No‘eau (Hawaiian proverbs) below:

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 (‘Ōlelo No‘eau 1200) — Recognize others, be recognized, help others, be helped.
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.

Alignment of Course Learning Outcomes

	CLO 1	CLO 2	CLO 3	CLO 4	CLO 5	CLO 6	CLO 7	CLO 8
Math Gen Ed Outcomes	1	1	1	1,2	1,2	1,2	1,2	2
Marianist Values	1	1,2	1	2	1,4	1	1,4	1,5

Attendance & In-Class Participation and Grading

Attendance Policy

The following attendance policy is from the Academic Catalog.

*Students are expected to attend regularly all courses for which they are registered. Student should notify their instructors when illness or other extenuating circumstances prevents them from attending class and make arrangements to complete missed assignments. * Notification may be done by emailing the instructor’s Chaminade email address, calling the instructor’s campus extension, or by leaving a message with the instructor’s division office. 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.*

****If you miss class, excused or unexcused, please get missed material and announcements from a classmate. ****

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 may result in being withdrawn from the course by the instructor, although the instructor is not required to withdraw students in that scenario. Repeated absences put students at risk of failing grades.

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.

Classroom Policy

While each instructor has their own policies regarding classroom conduct and requirements, the following University policies apply to all classes:

- Smoking and alcoholic beverages are prohibited in all classrooms, whether or not class is in session.
- Personal audiovisual equipment not pertinent to the class are prohibited during class.
- Cellular telephone use is also prohibited during class except in extenuating circumstances approved in advance by the professor.

- The use of any camera or video devices while in class, restrooms, locker rooms, or in any situation not normally considered public or where users of the facility may reasonably expect privacy is prohibited. Such devices shall include but are not limited to those in mobile telephones, computers, electronic organizers, or other more surreptitious equipment, and which are capable of capturing either still or moving images.

Please note that it is the instructor's sole prerogative to determine whether a student is:

- In a fit condition to perform classroom work (e.g., is not under the influence of alcohol or drugs, and is not sleeping).
- Working on assignments for that particular class (rather than working on projects for other classes or engaging in activity unrelated to school work).
- Distracting other students as to impair the learning environment.

If the instructor finds a student in violation of any of these provisions, or the policies outlines in the course syllabus, he or she may require the student to leave the classroom and may subsequently mark the student absent, which could eventually affect the student's final grade. Failure on the part of the student to honor the instructor's request to leave the classroom may result in removal of the student by the University security personnel and initiation of the University disciplinary process.

In-Class Participation Expectations

Active, respectful engagement is essential. Students are expected to come prepared and contribute meaningfully to discussions, activities, and collaborative work.

Attendance and Participation (12.5% of final grade)

- CUH designates this class as face-to-face.
 - Students are expected to attend and participate in class.
 - See also CUH Attendance policy.
- Please take class notes as there is some material that is not in the textbook.
- Announces are also given in class.
- Should you need to miss a class, please get materials from a classmate.

Homework (12.5% of final grade)

- Homework sets are in MLM.
- The homework dates in MML serve as a guide to when the material was covered. Students are expected to stay current with the homework.
- Please note that you will be able to work past the due date to improve your grade, without penalty.
- Grade determined at the end of the semester.
- Final grade based on percent of all possible points.
- Each homework set has a 70% prerequisite of previous homework. - but you can go back and improve that grade.

Exams (4 total) (75% of final grade)

- Exams will be given every four weeks
- All exams on paper, in class
- To be equitable, calculators are provided during face to face exams. The model is TI-30xii.

Late tests are given only in extreme circumstances, in adherence to CUH policy. Please provide documented excuse upon contacting me. Students must contact me, via email within 24 hours of scheduled exam. This email MUST include documented excuse (Dr. notes), no exception.

Final Grades

Canvas gradebook is not used. Students should keep track of their grades. Final grades are submitted to Self-Service (selfservice.chaminade.edu):

Item	total points	How calculated	% of final grade
4 exams (every four weeks)	400 (100pt each)	Arithmetic Mean	75%
Homework (HW)	# of questions	% of correct answers	12.5%
Attendance and participation (A&P)	# days accounted	% present and engaged	12.5%

$$\text{Final Grade Calculation} = [\text{Exam-Mean}(0.75)] + [\text{HW}(0.125)] + [\text{A\&P}(0.125)]$$

Grade	Range
(HWA)	90% and above
B	80–89%
C	70–79%
D	60–69%
F	59% and below

Credit Hour Policy

The unit of semester credit is defined as university-level credit that is awarded for the completion of coursework. One credit hour reflects the amount of work represented in the intended learning outcomes and verified by evidence of student achievement for those learning outcomes. Each credit hour earned at Chaminade University should result in 37.5 hours of engagement. For example, in a one credit hour traditional face to face course, students spend 50 minutes in class per week for 15 weeks, resulting in a minimum of 12.5 instructional hours for the semester. Students are expected to engage in reading and other assignments outside of class for at least 2 additional hours per week, which equals an additional 25 hours. These two sums result in total student engagement time of 37.5 hours for the course, the total engagement time expected for each one credit course at Chaminade.

Specific Credit Situations: The minimum 45 hours of engagement per credit hour can be satisfied in fully online, internship, or other specialized courses through several means, including (a) regular online instruction or interaction with the faculty member and fellow students and (b) academic engagement through extensive reading, research, online discussion, online quizzes or exams; instruction, collaborative group work, internships, laboratory work, practice, studio work, and preparation of papers, presentations, or other forms of assessment. This policy is in accordance with federal regulations and regional accrediting agencies.

Credit Hour Break Down for this class (3 credits X 45 hours per credit hour = 135 hours)

In Person (16 week semester)

1 hour X 42 in-class instruction days = 42.00

(3 X 1hr in-class exams) +(1 X 2hr in-class final) = 05.00

I

n Person Subtotal = 47.00

Independent Textbook Readings/ Content Viewing = 40.00

Independent Homework/Exam Prep = 48.00

Total Credit Hours = 135 hours

Guidelines/Policies for Communications

In Person or Email:

- Use the Canvas email. Email from non-Chaminade accounts will not get a response.
- Always include a subject line that reflects the content of the email, otherwise response might be delayed.
- Remember without facial expressions some comments may be taken the wrong way. Be
- careful in wording your emails. Use of emoticons might be helpful in some cases.
- Use standard fonts.
- Do not make insulting or inflammatory statements. Be respectful.
- Check for my response within a timely manner, in accordance to nature of email.

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, plagiarism, **and unauthorized and/or undisclosed AI usage**, in addition to more obvious dishonesty. See catalog section *Student Use of Artificial Intelligence in Academic Work* for further information.

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

AI (Artificial Intelligence) Statement

Chaminade University recognizes the increasing role of artificial intelligence (AI) technologies in academic and professional environments. AI encompasses, but is not limited to, generative AI platforms, automated writing or content generation software, coding assistants, and similar tools. Students must ensure all submitted work genuinely reflects their knowledge and effort. Using AI to produce or significantly complete graded assignments, exams or other academic tasks – defined as use that substitutes for or substantially replaces a student’s own analysis, reasoning or written expression – without explicit instructor approval is considered academic misconduct and will be dealt with according to the University’s Academic Honesty Policy.

If an instructor has reasonable grounds to question whether submitted work genuinely reflects a student’s own knowledge, authorship, or mastery of course material — or whether it meets the course’s expectations for AI use — the instructor may require the student to provide additional or alternative evidence of authorship and content mastery. Such evidence may include drafts, notes, revision history, source materials, process explanations, oral discussion, in class work, or completion of an alternative assessment. A student’s refusal or inability to provide such evidence may be considered, along with other available information, in evaluating whether the work meets course requirements and stated learning outcomes. Instructors will not rely solely on AI detection software or other automated tools in making grading or academic integrity determinations. Such

determinations will be based on the totality of the available information and handled in accordance with applicable University policies and procedures. See the catalog section *Student Use of Artificial Intelligence in Academic Work* for further information.

Title IX and Nondiscrimination

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. For pregnant and parenting students, I am also obligated to provide you with similar resources for support and protections available to you. My goal is to make sure that you are aware of the range of options available to you and have access to the resources and support you need.

Contact information and reporting options: chaminade.edu/titleix/nondiscrimination/. File a report via the [Campus Incident Report Form](#).

Nondiscrimination Policy and Notice of Nondiscrimination

The university is committed to comply with all State and Federal statutes, rules, and regulations which prohibit discrimination. The university is committed to a policy of nondiscrimination on the basis of race, sex, gender identity and expression, age, religion, color, national origin (including shared ancestry and ethnic characteristics), ancestry, citizenship, disability, genetic information, marital status, breastfeeding, arrest and court record (except as permissible under State law), sexual orientation, or status as a covered veteran. Inquiries about Title IX or general Civil Rights concerns 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 [HERE](#). *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](#).

Student with Disabilities Statement- Kōkua 'Ike

Accessibility Services recognizes disability as a valued aspect of diversity and ensures equal access to the educational environment in accordance with Section 504 of the Rehabilitation Act; the Americans with Disabilities Act, as amended; and the principles and professional standards of the Association on Higher Education and Disability. Access is supported through reasonable accommodations and referrals to campus and community resources.

Appointments with the Accessibility Services Coordinator are available through Stellic at <https://chaminade.stellic.com> and may be held virtually or in person. Drop-in appointments are also welcome.

Students seeking support must meet with the Accessibility Services Coordinator as early as possible, even if they are unsure whether they have appropriate documentation of their disability or its impacts. The Accessibility Services Coordinator prioritizes listening to students's experiences and will discuss any documentation needs during the initial intake meeting. Students may seek support at any time.

Learn more at <https://chaminade.edu/ada-accommodations>

Assessment of Student Work

Chaminade University may use student work anonymously to assess achievement of course, program, and institutional learning outcomes as part of ongoing quality improvement efforts.

Campus Resources & Support Services

The following resources are available to all Chaminade students. Reach out early — these services exist to support your success.

Resource	Description	Contact / Website
Accessibility Services (Kōkua 'Ike)	Accommodations under Section 504 and ADA. Contact early — appointments via Stellic, virtual or in person.	ada@chaminade.edu chaminade.edu/ada-accommodations
Tutoring & Academic Coaching (Kōkua 'Ike)	Tutoring and Academic Coaching Services support students' progression toward their academic, personal, and professional goals with clarity and intention. Services include individualized support in English, math, nursing, sciences, and social sciences, as well as guidance in developing goals and study strategies.	chaminade.edu/tutoring-academic-coaching-services
Career Services	Career Services supports students throughout their career journeys. Services include individualized job search strategy coaching, resume reviews, job interview coaching, and access to career-related resources and opportunities.	chaminade.edu/career-services
Basic Needs Resources	Support for food insecurity, housing instability, and other basic needs.	chaminade.edu/basic-needs/
Title IX / Nondiscrimination	Reporting and support for sex discrimination and gender-based violence. Campus Incident Report Form available online.	chaminade.edu/titleix/resources-and-support/
Hazing Prevention	Confidential support, crisis intervention, and reporting for any type of abuse including hazing.	hazingpreventionnetwork.org/athlete-helpline/

Resource	Description	Contact / Website
Campus Safety / SafeSwords	Security escort service for anyone who feels unsafe walking alone on campus at any time of day. Call security and a professional will escort you to your destination.	chaminade.edu/student-life/security/campus-safeswords-program/
CUH Alert Emergency Notification	Emergency text system. Register your cell number via the Chaminade portal and confirm the text to complete enrollment.	chaminade.edu

Weekly Course Schedule

For Course Schedule, see Canvas Timeline

Note: The instructor reserves the right to modify this schedule and or syllabus. Changes will be announced in class.