



Semester/Year Fall 2015	Instructor: Roberta S.H. Jenkins, MEd
Course# and Credits: MA 105 – 3 credits	Email: Roberta.Jenkins@adjunct.chaminade.edu
Class Title: Math for Elementary Teachers I	Telephone: 808-220-4977
Course Format: On-ground with MathPortal	Office Location/Hours: By appointment
Class Location: Brogan 101	Other: Students are required to use their Chaminade email when corresponding with me. When emailing, please use the email indicated above and include F15 MA 105 in the subject line. Do not use the MathPortal email. You will not receive a response.
Class Time/Day: MWF: 1:30 PM – 2:20 PM	

Textbook and Supplies:

Sowder, J, Sowder, L, and Nickerson, S. (2013). *Reconceptualizing Mathematics (Loose-leaf) 2nd Ed. & Manipulatives Kit*. New York: W. H. Freeman & Company. ISBN #142926747X or 9781429267472. If you purchase the text from the Chaminade bookstore the text is bundled with a box of manipulatives, and access to the MathPortal. If you purchase the text from a source other than the Chaminade Bookstore, make sure to also purchase access to the MathPortal for the text. This text is used for MA 105 and 305.

We will be using the WH Freeman MathPortal that is associated with the text. **This MathPortal (different than the eCollege and Portal for Chaminade) is required for Math 105.** You will be using the MathPortal to submit your work and to track your progress.

For the beginning of this semester, please put the following sections in a binder and bring the binder with you to class on the first day:

- Preliminary pages: title – xx
- Part 1: Chapters 1-2
- Selected Answers (A-1); Glossary (G-1); Index (I-1)

You will also need a at least one colored pen (green, red or purple – any color other than blue or black), a highlighter, pencil and eraser, ruled paper, post-it notes, dry erase marker(s), dividers to designate sections in your binder.

Praxis I PPST:

Strongly recommended: *Praxis I Study Guide*

There are several study guides available in the university bookstore, in local bookstores and online. Passing Praxis I is a requirement for enrollment in almost all of the Education Division courses. You should register to take Praxis I before the beginning of the next semester.

Catalog Description:

Provides a foundation for prospective early childhood and elementary education majors with pre-K to 8 mathematics. Guided by NCTM Standards and through the study of concepts and properties of number systems; the four fundamental operations of arithmetic; the basic knowledge in data, the student will be able to undertake further study in

mathematics education. Offered every semester. This course fulfills Track C general education requirement in mathematics for Early Childhood Education and Elementary Education majors.

Major Course Topics:

- | | |
|----------------------------|----------------------------------|
| 1. Problem-solving | 5. Ratios, Proportions, Percents |
| 2. Numeration Systems | 6. Number Theory |
| 3. Whole Number Operations | 7. Algebra |
| 4. Fractions | |

Conceptual Framework:

The Education Division's Conceptual Framework is based upon a set of beliefs that flow from the University's vision and mission statements, the Division's vision and mission statements, and the core academic beliefs of Chaminade University. These values and beliefs are based on the Catholic Marianist principles; a commitment to mentor teacher and educational leader candidates to their fullest potential; a commitment to teaching, scholarship and research; and a commitment to serve the university and the larger community. This alignment is designed to prepare education professionals who meet the National Council for Accreditation of Teacher Education (NCATE) standards for effective teaching by demonstrating professional dispositions and empathy, content knowledge, and the pedagogical/leadership skills to effectively work with a diverse community of learners.

Mission Statement:

The Education Division's mission is to foster the development of knowledgeable, proficient, and reflective teachers and educational leaders. Our programs are based in the liberal arts tradition, Catholic Marianist values, current research, best practice, and professional standards. In this context, we develop educators who demonstrate ethical, effective, and culturally responsive practices, and a commitment to building a just and peaceful society.

Marianist Values:

We promote the characteristics of Marianist universities which include:

1. *Education for Formation in Faith* (Mana): In the community of learners, reason and personal faith are seen as mutually complementary roads to truth. All scholars are invited to join the larger community of faith, hope, and love.
2. *Integral, Quality Education* (Aloha): The Education Division is committed to an integral, quality education that begins with respect for the complexity and diversity of each person. Subsequently, faculty members attempt to engage the whole person with quality courses and activities that challenge the intellectual, emotional, aesthetic, physical, and ethical dimensions that make up student's life experience.
 - a. Education is an active process.
 - b. Teaching and learning are reciprocal processes.
 - c. Diversity enriches education by providing many different cultural values and viewpoints.
 - d. Varied instruction for individual differences and learning styles facilitates learning.
 - e. Learning is facilitated by integrating curriculum, using cooperative learning strategies, having high expectations of the learner, and making curriculum relevant to the world outside of the classroom.
 - f. Teachers are responsible for nurturing students' desire to learn.
3. *Education and the Family Spirit* ('Ohana): The community of learners is a second family which encourages the personal development of each of its members. Mutual respect for all members of the family allows the Marianist-based scholarly community to share responsibility for decision making at all levels.
 - a. Learning requires a safe, stimulating environment where each student is nurtured.
 - b. School, community, and family collaboration support learning.
4. *Education for Service, Peace, and Justice* (Pono): All members of the community strive to serve both the University and the larger surrounding community. Additionally, all members dispense and receive justice to and from each other in both the internal and external communities.
 - a. Students must be educated for responsible citizenship, and self-directed lifelong learning.
 - b. Peace is facilitated through cultural awareness and service in support of justice.

5. *Education for Adaptation and Change* ('Āina): True to the tradition of faith, a Marianist-founded education prepares students for tomorrow and facilitates adapting to the changes brought about each day. This scholarly community of learners regards technology as a critical aid in the quest for understanding in a changing world.
 - a. Creative problem solving, divergent thinking and effective communication are nurtured.
 - b. Reflection facilitates learning.
 - c. Technology enriches the learning environment and the learning experience.
 - d. Assessment improves instruction and increases student achievement.
 - e. Students must be educated for responsible citizenship, and self-directed lifelong learning.

Program Learning Outcomes (PLOs):

PLO1 Content Knowledge (*Knowledge of subject matter*)

Course Learning Objectives (CLOs):

At the end of this course, the students will:

- CLO 1** Demonstrate mathematics content knowledge required for further study in mathematics education.
- CLO 2** Use problem solving skills to investigate real life mathematical situations, formulate valid questions from problem situations, and represent situations verbally, numerically/symbolically, graphically, and/or geometrically.
- CLO 3** Develop an appreciation for mathematics as a body of knowledge that is interesting and useful.

Course Requirements:

Assignment	% of Grade	Assignment Description	Due Date
Homework	20	Homework will be due at the beginning of the class for which it is assigned.	As assigned; penalty for late work
In-class assignments and Presentations; Participation	15	<ul style="list-style-type: none"> In-class assignments, investigations and presentations will be assigned during class sessions. Participation and Punctuality: Participate in class with enthusiasm and demonstrate interest in discussions and activities. Arrive on time for class and turn in assignments on time. See also attendance policy. 	As assigned; cannot be made up; on-going
Tests and Quizzes	20	Tests will be announced. Quizzes may be unannounced.	As assigned; cannot be made up
Final Exam	25	The final exam will be cumulative; includes all sections assigned in the course.	TBA
Projects; Paper	20	Various projects/papers and course portfolio.	As assigned; penalty for late work

Grading Scale:

A	90 – 100 %
B	80 – 89 %
C	70 – 79 %
D	60 – 69 %

University Policies:

Attendance: As stated in the Chaminade University Catalog, students are expected to attend all classes for courses in which they are registered.

Students in MA 105 must follow the attendance policy as stipulated in the syllabus of Education Division courses. Penalties for not meeting the attendance requirements will result in a lower grade for the course, withdrawal from the course, or failing the course.

Education Division Attendance Policy (Revised 22 December 2011):

1. Excused Absences.

- 1.1. Since it is expected that students will participate in all class sessions, excused absences are only granted in exceptional situations where evidence is provided by the student to the instructor. Examples would include illness (with verification by a doctor) or the death of a close family member. Students should notify their instructors when a situation prevents them from attending class and make arrangements to complete missed assignments. While notification of the instructor by a student that he/she will be absent is courteous, it does not necessarily mean the absence will be excused.
- 1.2. In cases where excused absences constitute a significant portion of a course's meetings (e.g., more than 20% of on-ground course meetings, or a significant portion of online or hybrid courses), the instructor should refer the case to the Dean with a recommendation on how the case should be handled (e.g., withdrawal or incomplete).

2. Unexcused Absences. Chaminade University policy states that in cases where unexcused absences are equivalent to more than a week of classes the instructor has the option of lowering the grade. In the Education Division we have added detailed guidelines to cover different types of courses and class schedules:

- 2.1. **On-ground courses.** When unexcused, absences totaling more than 10% of the number of classes will result in a lowering of the overall grade by one letter grade. A student who misses 20% or more should withdraw or be administratively withdrawn.
 - a. Undergraduate Day Courses MWF (45 classes): More than 4 absences lowers grade one letter. Missing more than nine classes results in failure or withdrawal.

Additionally, your inability to attend class regularly and punctually will adversely affect your grade in the following ways:

- **Late work:** All submitted assignments are due on the dates and times indicated on the syllabus and/or in the MathPortal. Late assignments will be reduced one letter grade or 10% for each day they are late.
 - All work that is ten days late or more will receive a score of zero. This is important because in a course in which the assignments build upon each other, students must keep current with the work. Work must be submitted in a timely fashion for feedback to be relevant.

KSD Referrals:

- Background: Implementation of the Knowledge/Skill/Disposition (KSD) referral system was approved by the Division at the Fall 2011 Chaminade Faculty Retreat. The KSD referral system is in place to help undergraduate and graduate students in reaching their goals to become highly-qualified and highly-effective educators and administrators. As our Education Division mission states, we strive "To foster the development of teachers and leaders in education through programs based in the liberal arts tradition, Catholic Marianist values, current research, best practice, and state and professional standards." Part of this is to ensure that each teacher candidate or educational leader taking our coursework is knowledgeable in the content area, possesses the needed skills to teach that content, and has dispositions that are reflective of an education professional with accompanying Marianist values.
- Referral process: Any member of the Education Team, defined as an employee of the Education Division and including adjunct instructors, can initiate a KSD referral to the Dean at any time and for any student taking an education course (see attached form). Referrals can also be made to the Dean for our students taking non-education courses.

Syllabus Change Policy :

This syllabus is a guide and every attempt is made to provide an accurate overview of the course. Occasionally, it is necessary for the instructor to modify the syllabus during the semester due to the progress of the class, experiences of the students, and unforeseen changes in the schedule. Changes to the syllabus will be made with advance notice whenever possible.

Writing Standards: All work submitted by Chaminade University students must meet the following writing standards. Written assignments should:

- 1) Use correctly the grammar, spelling, punctuation, and sentence structure of Standard Written English.
- 2) Develop ideas, themes, and main points coherently and concisely.
- 3) Adopt modes and styles appropriate to their purpose and audience.
- 4) Be clear, complete, and effective.
- 5) Carefully analyze and synthesize material and ideas borrowed from sources. In addition, the sources of the borrowed material should be correctly acknowledged to avoid plagiarism.

Plagiarism: “Plagiarism is the offering of work of another as one’s own.” Plagiarism is a serious offense and may include, but is not limited to, the following:

- 1) Complete or partial copying directly from a published or unpublished source without proper acknowledgement to the author.
- 2) Minor changes in wording or syntax are not sufficient to avoid charges of plagiarism. Proper acknowledgement of the source of a text is always mandatory.
- 3) Paraphrasing the work of another without proper author acknowledgement.
- 4) Submitting as one’s own original work (however freely given or purchased) the original exam, research paper, manuscript, report, computer file, or other assignment that has been prepared by another individual.

Academic Honesty Statement:

- In the cases of alleged academic dishonesty (such as plagiarism, cheating, claiming work not done by the student, or lying) where a faculty member observes or discovers the dishonesty, the faculty members may choose to confront the student and handle the matter between the faculty member and the student, or the faculty member may choose to refer the incident to the Dean or Graduate Program Director. (If the Dean or the Director is the instructor in question, the concern shall be directed to the Provost; if the Provost is the instructor in question, the concern shall be directed to the President.) If the faculty member chooses to confront the situation and it is not satisfactorily resolved between the faculty member and the student, the matter may then be referred or appealed to the Dean or Director.
- In either case, the Divisional Dean or Graduate Program Director may choose to 1) resolve the matter through a meeting with both the student and the faculty member, or 2) refer the matter to the Provost. The findings, in either case are final.
- If alleged academic dishonesty is reported to a faculty member by a third party, then the faculty member will meet with the Divisional Dean or Graduate Program Director; to determine whether the evidence warrants an investigation, and how the investigation will be handled. It may also be decided that the faculty member will either confront the student or, assuming enough evidence is present to warrant action, turn the matter over to the Divisional Dean or Program Director to either resolve or organize a hearing.
- If the student is found guilty of the charges of academic dishonesty, the student may be subject to academic penalties such as failure of the course, exam, or assignment. Other penalties from the list of possible disciplinary sanctions may also be deemed appropriate.

Please refer to your on-line **Student Handbook** for other important institutional and academic policies including more detailed information regarding Grading, Plagiarism, Classroom Deportment, Freedom of Expression, Add/Drop, Disabilities, and others.

Diversity/Full Inclusion: Chaminade University of Honolulu is committed to a policy of non-discrimination and recognizes the obligation to provide equal access to its programs, services, and activities to students with disabilities. If a student is in need of accommodation due to a documented disability, s/he should contact the Director of Personal Counseling at (808) 739-4603 or by email at the jyasuhar@chaminade.edu address. A determination will be made if the student meets the requirements for documented disability in accordance with the American with Disabilities Act. It is important to contact them as soon as possible so that accommodations are implements in a timely fashion. Beyond the legal requirements Chaminade’s Education Division is committed to an integral, quality education that begins with respect for the complexity and diversity of each person. Subsequently, faculty members attempt to engage the whole

person with quality courses and activities that challenge the intellectual, emotional, aesthetic, physical, and ethical dimensions that make up each student's life experience.

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