



Semester/Year Fall 2014	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 Hours: By appointment
Class Location: Brogan 101	Office Location: As arranged
Class Time/Day: MWF: 1:30 PM – 2:20 PM	Other:

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. The text is bundled with a box of manipulatives, and access to the MathPortal. Currently the plan is to also use this text for MA 105, 205 and 206.

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 each 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 colored pen (green, red or purple – 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 | 4. Fractions |
| 2. Numeration Systems | 5. Ratios, Proportions, Percents |
| 3. Whole Number Operations | 6. Number Theory |

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.

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

Assignment	% of Grade	Assignment Description	Due Date
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.

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.

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. 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.
- 2) Paraphrasing the work of another without proper author acknowledgement.
- 3) 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.

Please refer to your on-line **Student Handbook** for other important institutional and academic policies including more detailed information regarding Grading, Plagiarism, Classroom Department, 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, he/she should contact the Counseling Center at 735-4845 or 739-4603. A determination will be made if the student meets the requirements for documented disability in accordance with the Americans with Disabilities Act. It is important to contact them as soon as possible so that accommodations are implemented in a timely fashion.

Beyond the legal requirements Chaminade 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.