

HCCS

Math 1350

Mathematics for Elementary Teachers I

Student Syllabus-Summer I 2017

Course Name: **Math 1350**CRN: **11125**

Online

Instructor: **Mr. Gabi**Office: **321 Northline - Northeast**Phone: **713-718-2435**

Fax: 713-718-5313

Learning Web: <http://learning.hccs.edu/faculty/Charles.gabi>

HCC Email: charles.gabi@hccs.edu. **For Email Communication, please use “Math 1351-DE” as entire subject line AND be sure to include your name.**

Office Hours and Location: Northline Rm. 321, 2:30-3 pm. MTuWTh By Appointment

Textbook: *A Problem Solving Approach to Mathematics for Elementary Teachers*, Billstein, Libeskind, and Lott, **12th ed**, Pearson Education, Inc. (Addison Wesley) ISBN-13:978-0133865479

Homework is assigned on www.coursecompass.com and e-book is also viewable on this site. The access code for homework is required.

Course Description

MATH 1350: Concepts of sets, functions, numeration systems, number theory, and properties of the natural numbers, integers, rational, and real systems with an emphasis on problem solving and critical thinking.

Prerequisites

MATH 1314 or the equivalent.

Course Goal

This course is intended for students who are planning on majoring in Elementary Education

Course Student Learning Outcomes (SLO):

1. Explain and model the arithmetic operations for whole numbers and integers.
2. Explain and model computations with fractions, decimals, ratios, and percentages.
3. Describe and demonstrate how factors, multiples, and prime numbers are used to solve problems.
4. Apply problem solving skills to numerical applications.
5. Represent and describe relationships among sets using the appropriate mathematical terminology and notation.
6. Compare and contrast structures of numeration systems.

Learning Objectives:

1. Understand sets, set notation, and set operations.

2. Perform the arithmetic of whole numbers, integers, rational numbers, decimals, and real numbers.
3. Explain and model the arithmetic operations for whole numbers and integers.
4. Explain and model computations with fractions, decimals, ratios, and percentages.
5. Convert a repeating decimal to rational form.
6. Understand prime numbers and composite numbers.
7. Define divisibility and perform divisibility tests.
8. Define and compute the least common multiple and the greatest common divisor of two integers.
9. Explain various types of number systems.

Core Objectives

Critical Thinking Skills: to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information.

Communication Skills: to include effective development, interpretation and expression of ideas through written, oral and visual communication.

Empirical and Quantitative Skills: to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions.

Course Policies

Exam policy:

There are three major exams and a comprehensive final exam. Each major exam will count 18%. The final exam will count 30%. **All exams are in MyMathLab Online. The final exam and exam 2 must be proctored at 3100 Main.** You must log in to Eagle Online **at least twice** a week to update the information and announcements.

Homework policy:

Homework will be online using MYMATHLAB. The course ID: **gabi08354** . Homework is required and you must score **at least an 80 %** on all corresponding homework to be able to take an exam.

MyMathLab for MATH 1351:

You are REQUIRED to use MyMathLab to do online homework for this course. MyMathLab is available on any computer with internet access. **Register TODAY!**

Once you register with MyMathLab, you can log in to MyMathLab anytime at www.coursecompass.com . When you log in to MyMathLab and click on the “**MATH 1350 Summer I (11125)**” link, you can:

- Click the “DO HOMEWORK” link to access the online homework assignments
- Click the “GRADEBOOK” link to check your MyMathLab homework grades
- Click the “Chapter Contents” link to view an online version of the textbook (including exercises and solutions), as well as online video clips and PowerPoint presentations that accompany the textbook, and much more.

Graded MyMathLab Homework (required):

I will assign homework assignments to be completed online in MyMathLab. Log in to MyMathLab, click “**MATH 1350 Summer I (11125)**”, and click “**Homework**” to select and work on an assignment. For each exercise, you can choose “**Help Me Solve This**” for hints or “**View an Example**” for more help. You can also e-mail questions to me, view an appropriate section of the textbook and, in some cases, view a video clip or a PowerPoint presentation. A template on the left side of the screen enables you to create fractions, exponents, radicals, etc. for typing in your answers. **You can attempt each exercise until you get it right, and you do not have to complete an entire assignment in one sitting. You can continue to improve your grade on each assignment, up to 100%. All corresponding assignments are due on Test day and must be completed with at least an 80%. Although homework says it is due on 7/08, it is actually due on the day of the corresponding Test.**

For each section, there are two assignments: media homework and regular homework. You are supposed to do the media homework first (includes videos, power point slides, and section text) and then go to do your regular homework. Both of them count toward your homework average.

DON'T PUT OFF THE MYMATHLAB ASSIGNMENTS!

Work on them soon after they are assigned, while the material is fresh in your mind!

Your MyMathLab average can have a major impact on your overall grade!

Make-up policy:

There will be no make-up exams in this class. If you miss one exam, it would be replaced with final exam score. If you miss the second exam, it will be zero and you should most likely drop the course.

Final Examination:

The final examination is a required, comprehensive exam on Eagle Online. The problems cover all the material covered in the course. This exam will also be **online** in MyMathLab. However, it must be taken during its scheduled days and times at an HCC proctored testing center, or if outside of the Houston area, at an HCC-approved institutional proctored testing center. The student will **not** be able to take the final exam at *any* location of his/her

roctored. Presentation of a photo ID upon arrival at the testing center is required for identification purposes. Please refer to the section on final exam in our Eagle Online course page for more information about policy, guidelines and instructions for the final **If you failed to take the final exam, you would fail the course with a grade of F. The grade of I for "Incomplete" will not be given if you missed the final exam.**

Students Outside of HCC Service Area:

Students who live or work outside the HCC service area and cannot take exams at HCC testing locations **MUST** make arrangements at a proctored testing center in their area to take the final exam. *It is a requirement that the final exam for this course be taken at an HCC-approved testing center.* For more information and to obtain the required Proctor Approval Form, go to the DE Student Handbook and select "Testing Locations and Procedures" or contact DE department at de@hccs.edu for more information.

Grading policy:

<u>Evaluation:</u>	<u>Percent:</u>	<u>Where:</u>	<u>Date:</u>
Exam 1	18%	MyMathLab	06/12/17 – 06/15/17
Exam 2	18%	MyMathLab@ Testing Center	06/22/17 – 06/24/17
Exam 3	18%	MyMathLab	07/03/17 – 07/06/17
Homework Avg.	16%	On MyMathLab	Due on Test Day
Final Exam	30%	On MML @ Testing Center	07/06/17 – 07/08/17

Note:

1.Exam 2 will be proctored at 3100 Main in Basement for all 3 days.

2.Final Exam will be proctored at 3100 Mail on 7/06 but on 7/07 & 7/08 it will be at Central Campus SJAC# 385/335

3.Thursday and Friday 10am to 9pm, last Admit 7pm; Saturday 10am to 3pm, Last Admit 1pm. Last Admit is strictly enforced, be there before indicated last admit time to avoid missing the test.

How to log in to Canvas

Your Canvas username/password is the same as your PeopleSoft, which is the User ID or W number that you were issued upon admission and the password you created for your HCC Email (issued upon enrollment through the Student System). Your Canvas ID is also used for logging into campus computers, AskOnline tutoring, printing on campus, etc.

If you do know your W number, you can look it up from the [Student System Sign In](#) page (see "Forgot My User ID").

For more information on your User ID or your HCC Email password see the [Canvas ID web page](#).

Canvas Online 2 Support

For Canvas Online documentation, tutorials (including movies), phone and chat support, go to the [HCC Canvas Online support website](#).

Phone support: 713-718-2000, options 4, 2, 3 (available 24 x 7)

Browser Issues

Use the latest version of [Firefox](#).

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Grading Policy:

Your final course grade is based on the following standard HCCS scale.

Final Average	90 Avg 100	80 Avg < 90	70:;;; Avg < 80	60 Avg < 70	Avg < 60
Final Course Grade	A	B	C	D	F

Course Outline:

APPROXIMATE TIME

TEXT REFERENCE

Chapter 2 – **Introduction to Logic and Sets**

Sections:

2-1, 2-2, 2-3

(6 hours)

The unit begins with an optional introduction to Logic. It continues with discussions of, bases, sets and set notation, and set operations.

Chapter 3 – **Whole Numbers and Their Operations**

Sections: 3-1, 3-2, 3-3, 3-4, 3-5

(8 hours)

This unit includes numeration systems (Hindu-Arabic, Egyptian, Roman), algorithms for whole number arithmetic and estimation.

Exam 1: chapter 2 and 3

Chapter 4 – Number Theory

Sections: 4-1, 4-2, 4-3

Chapter 5 – Integers

Sections: 5-1, 5-2

(8 hours)

These chapters investigate integers and the operations of addition, subtraction, multiplication and division. It includes prime numbers and the Greatest Common Divisor and Least Common Multiple.

Chapter 6 – Rational Numbers and Proportional Reasoning Sections: 6-1, 6-2, 6-3, 6-4

(6 hours)

This chapter introduces rational numbers and the arithmetical operations on them. It includes ratios and proportions.

Exam 2: chapter 4, 5 and 6

Chapter 7 – Decimals: Rational Numbers and Percent Sections: 7-1, 7-2, 7-3, 7-4

(7 hours)

This chapter introduces decimals as fractions and as an extension of the base-ten system. This unit includes operations on decimals, properties of decimals, and percent.

Chapter 8 – Real Numbers and Algebraic Thinking Sections: 8-1, 8-2, 8-3, 8-4

(6 hours)

This chapter introduces real numbers and basic algebraic concepts including an introduction to functions.

Exam 3: chapter 7 and 8

Final Exam is comprehensive and covers chapter 2 through 8.

EGLS₃ -- Evaluation for Greater Learning Student Survey System

At Houston Community College, professors believe that thoughtful student feedback is necessary to improve teaching and learning. During a designated time, you will be asked to answer a short online survey of research-based questions related to instruction. The anonymous results of the survey will be made available to your professors and division chairs for continual improvement of instruction. Look for the survey as part of the Houston Community College Student System online near the end of the term. Visit www.hccs.edu/EGLS3 for more information.

Administration contact information**College - Level Math Courses**

Chair of Math	Jaime Hernandez	SW Campus	713-718-2477	Stafford, Scarcella, N108
Secretary	Tiffany Pham	SW Campus	713-718-7770	Stafford, Scarcella, N108
Math Assoc. Chair	Clen Vance	CE Campus	713-718-6448	San Jacinto Building, Rm 369
Math Assoc. Chair	Ernest Lowery	NW Campus	713-718-5512	Katy Campus Building, Rm 112
Math Assoc. Chair	Mahmoud Basharat	NE Campus	713-718-2438	Codwell Hall Rm 105

Developmental Math Courses

Chair of Dev. Math	Susan Fife	SE Campus	713-718-7241	Felix Morales Building, Rm 124
Secretary	Carmen Vasquez	SE Campus	713-718-7056	Felix Morales Building, Rm 124
Dev. Math Assoc. Chair	Marisol Montemayo	SE Campus	713-718-7153	Felix Morales Building, Rm 124
Dev. Math Assoc. Chair	Jack Hatton	NE Campus	713-718-2434	Northline Building, Room 321

Note:

For issues related to your class, please first contact your instructor first.

If you need to contact departmental administration, then contact the Associate Chair, Mr. Basharat. If further administrative contact is necessary, then contact the Department Chair, Dr. Hernandez.

DISTANCE EDUCATION ADVISING AND COUNSELING SERVICES

Much DE student information can be found on the DE Student Services website: de.hccs.edu. Advising or counseling can be accomplished through our online request form [AskDECounseling](#). Counselors and Student Services Associates (SSA) can assist students with admissions, registration, entrance testing requirements, degree planning, transfer issues, and career counseling. In-person, confidential sessions, can also be scheduled to provide brief counseling and community referrals to address personal concerns impacting academic success.

SOCIAL NETWORKING

DE students are encouraged to become a fan of [DE on Facebook](#) and follow [DE on Twitter](#). These social networking sites can provide a sense of community for the online learner, as well as up-to-date information and announcements related to HCC and DE.

INTERNATIONAL STUDENTS

Contact the International Student Office at 713-718-8520 if you have questions on student requirements.

HCC Policy Statement - ADA Students with disabilities

Houston Community College is dedicated to providing an inclusive learning environment by removing barriers and opening access for qualified students with documented disabilities in compliance with the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act. Ability Services is the designated office responsible for approving and coordinating reasonable accommodations and services in order to assist students with disabilities in reaching their full academic potential. In order to receive reasonable accommodations or evacuation assistance in an emergency, the student must be registered with Ability Services.

If you have a documented disability (e.g. learning, hearing, vision, physical, mental health, or a chronic health condition), that may require accommodations, please contact the appropriate Ability Services Office below. Please note that

classroom accommodations cannot be provided prior to your Instructor's receipt of an accommodation letter and accommodations are not retroactive. Accommodations can be requested at any time during the semester, however if an accommodation letter is provided to the Instructor after the first day of class, sufficient time (1 week) must be allotted for the Instructor to implement the accommodations.

Ability Services Contact Information

Central College	713-718-6164	
Coleman College	713-718-7376	
Northeast College	713-718-8322	
Northwest College	713-718-5422	713-718-5408
Southeast College	713-718-7144	
Southwest College	713-718-5910	
Adaptive Equipment/Assistive Technology	713-718-6629	713-718-5604
Interpreting and CART services	713-718-6333	

Title IX of the Education Amendments of 1972 requires that institutions have policies and procedures that protect students' rights with regard to sex/gender discrimination. Information regarding these rights are on the HCC website under Students-Anti-discrimination. Students who are pregnant and require accommodations should contact any of the ADA Counselors for assistance.

It is important that every student understands and conforms to respectful behavior while at HCC.

Sexual misconduct is not condoned and will be addressed promptly. Know your rights and how to avoid these difficult situations.

Log in to www.edurisksolutions.org. Sign in using your HCC student email account, then go to the button at the top right that says Login and enter your student number.

NOTICE FOR STUDENTS OUTSIDE OF HCC SERVICE AREA

Students who live or work outside the HCC service area and cannot take paper exams at one of our HCC testing locations MUST make arrangements for a proctor. Please see the DE Student Services Additional Resources webpage for more information.

VIRTUAL CLASSROOM CONDUCT

As with on-campus classes, all students in HCC Distance Education courses are required to follow all HCC Policies & Procedures, the Student Code of Conduct, the Student Handbook, and relevant sections of the Texas Education Code when interacting and communicating in a virtual classroom with faculty and fellow students. Students who violate these policies and guidelines will be subject to disciplinary action that could include denial of access to course-related email, discussion groups, and chat rooms or being removed from the class.

SEXUAL HARRASSMENT

It is a violation of HCC policy for an employee, agent, or student of the College to engage in sexual harassment as

defined in the Equal Employment Opportunity Commission (EEOC) guidelines. Any student who has a complaint concerning this policy has the opportunity to seek resolution of such a complaint in accordance with procedures set forth in the Student Handbook. Report any complaints immediately to College Administration or call the Institutional Equity & Compliance Office 713.718.8271.

HCC Policy Statement: Academic Honesty

A student who is academically dishonest is, by definition, not showing that the coursework has been learned, and that student is claiming an advantage not available to other students. The instructor is responsible for measuring each student's individual achievements and also for ensuring that all students compete on a level playing field. Thus, in our system, the instructor has teaching, grading, and enforcement roles. You are expected to be familiar with the University's Policy on Academic Honesty, found in the catalog. What that means is: If you are charged with an offense, pleading ignorance of the rules will not help you. Students are responsible for conducting themselves with honor and integrity in fulfilling course requirements. Penalties and/or disciplinary proceedings may be initiated by College System officials against a student accused of scholastic dishonesty. "Scholastic dishonesty": includes, but is not limited to, cheating on a test, plagiarism, and collusion.

Cheating on a test includes:

- Copying from another students' test paper;
- Using materials not authorized by the person giving the test;
- Collaborating with another student during a test without authorization;
- Knowingly using, buying, selling, stealing, transporting, or soliciting in whole or part the contents of a test not yet administered;
- Bribing another person to obtain a test that is to be administered.

Plagiarism means the appropriation of another's work and the unacknowledged incorporation of that work in one's own written work offered for credit.

Collusion mean the unauthorized collaboration with another person in preparing written work offered for credit. Possible punishments for academic dishonesty may include a grade of 0 or F in the particular assignment, failure in the course, and/or recommendation for probation or dismissal from the College System. (See the Student Handbook)

Institutional Policies

Withdrawal Policy

If you want to drop this class without a grade, you must drop it before the **Official Record Day is JUN 9, 2017**. If your name is on the roll after this day, you WILL receive a grade. If you wish to drop the class with a W grade, then it is your responsibility to do that before the final drop date. Neither you nor your instructor will be able to perform the drop after the final drop date. Please refer to the following notice before dropping the class.

NOTICE: Students who take a course three or more times will face significant tuition or fee increases at HCC and other Texas public colleges and universities. In addition, state law dictates that students are allowed a maximum of 6 course withdrawals during their entire college career. Starting in the fall of 2007, students with more than 6 drops will be required to pay additional fees. Prior to course withdrawal, you must confer with your professor or counselor about your study habits, homework, test-taking skills, attendance, course participation, and tutoring or other assistance that is available.

The final withdrawal deadline is at 4:30pm JUN 26, 2017. Remember to allow a 24-hour response time when communicating via email or telephone with a DE professor and/or counselor. Requests received after the deadline will not be processed.

Academic Honesty:

At Houston Community College, academic integrity is expected of all its members and

stakeholders. Academic dishonesty includes, but is not limited to, the willful attempt to misrepresent one's work, cheat, plagiarize, or impede other students' scholastic progress. Scholastic dishonesty is treated with the utmost seriousness by the instructor and the College. Please refer to the **Student Handbook** for specific information related to professional conduct and scholastic dishonesty.

AskOnline Tutoring

Students can get *free* assistance, 24 hours a day, 7 days a week, in Mathematics, English and many other subjects, at www.hccs.askonline.net. Typically, posted questions will be answered by an HCC tutor or faculty member within 24 hours (usually under 6 hours).

NOTE: THIS SYLLABUS IS SUBJECT TO CHANGE AS NEEDED TO MEET THE OBJECTIVES OF THE COURSE OR TO AID IN COURSE ADMINISTRATION AT THE DISCRETION OF INSTRUCTOR. IT IS NOT ANTICIPATED THAT THERE WILL BE ANY SUBSTANTIVE CHANGES.

After reading this syllabus, please send me an email to confirm that you have read, comprehended it and accepted all policies in this class.



Let's have a wonderful semester!!!

