



Math 1351  
Mathematics for Elementary Teachers II  
Student Syllabus –SPRING 2017

Course Name: **Math 1351**                      CRN: **11695**                      **Online**  
Instructor: **Mr. Gabi**      Office: - **Northline 321 Northeast** Phone:  
**713-718-2435**                      Fax: **-713-718 5313**  
Homepage: <http://learning.hccs.edu/faculty/charles.gabi>

HCC Email: [charles.gabi@hccs.edu](mailto: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, 1- 2 pm. MTuWTh By Appointment

**Textbook:** *A Problem Solving Approach to Mathematics for Elementary Teachers*, Billstein, Libeskind, and Lott, **12<sup>th</sup> ed.**, Pearson Education, Inc. (Addison Wesley)

**Homework and E-book Web Site:**

Homework is assigned on [www.coursecompass.com](http://www.coursecompass.com) and e-book is also viewable on this site. The access code for homework is required.

**Course Student Learning Outcomes (SLO):**

1. Apply fundamental terms of geometry such as points, lines, and planes to describe two and three dimensional figures.
2. Make and test conjectures about figures and geometric relationships.
3. Use a variety of methods to identify and justify congruency and similarity of geometric objects.
4. Perform geometric transformations.
5. Demonstrate fundamental probability techniques and apply those techniques to solve problems.
6. Explain the use of data collection and statistics as tools to reach reasonable conclusions.
7. Recognize, examine, and utilize the basic principles of describing and presenting data.
8. Perform measurement processes and explain the concept of a unit of measurement.
9. Develop and use formulas for the perimeter, area, and volume for a variety of figures.

**Learning outcomes**

Students will:

1. Determine the outcome of an event
2. Demonstrate the fundamental probability techniques and apply these techniques to solve problems.
3. Explain the use of data collection and statistics as tools to reach reasonable conclusions.
4. Recognize, examine and interpret the basic principles of describing and presenting data.
5. Define and demonstrate knowledge involving polygons, angles, and geometry in three dimensions

6. Find linear measures, and area of polygons and circles
7. Find and demonstrate visually surface areas, and volume
8. Show congruence through constructions
9. Demonstrate the congruence and similar properties
10. Perform geometric transformations.
11. Demonstrate the proof of the Pythagorean Theorem and its application
12. Identify and construct lines in a Cartesian Coordinate system

## Exam Policies:

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 and the final exam 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: **gabi95278**. Homework is required.

### 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](http://www.coursecompass.com). When you log in to MyMathLab and click on the “**MATH 1351 Spring 11695**” 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 1351 Spring 11695**”, 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 later, 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* \_\_\_\_\_ or **without being proctored**. 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. **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](mailto:de@hccs.edu) for more information.

#### **Grading policy:**

| <b><u>Evaluation:</u></b> | <b><u>Percent:</u></b> | <b><u>Where:</u></b>             | <b><u>Date:</u></b> |
|---------------------------|------------------------|----------------------------------|---------------------|
| Exam 1                    | 18%                    | MyMathLab                        | 02/17/17 – 02/19/17 |
| Exam 2                    | 18%                    | MyMathLab@ <b>Testing Center</b> | 03/30/17 – 04/01/17 |
| Exam 3                    | 18%                    | MyMathLab                        | 05/08/17 – 05/11/17 |
| Homework Avg.             | 16%                    | On MyMathLab                     | Due on Test Day     |
| Final Exam                | 30%                    | On MML @ <b>Testing Center</b>   | 05/11/17 – 05/13/17 |

#### **Note:**

- Exam 2 will be proctored at 3100 Main in Basement for all 3 days.**
- Final Exam will be proctored at 3100 Mail on 5/11 but on 5/12 & 5/13 it will be at Central Campus SJAC# 335**
- 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](#).

EO 2: <https://eo2.hccs.edu/login/index.php>

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

|                    |                               |                           |                           |                           |                   |
|--------------------|-------------------------------|---------------------------|---------------------------|---------------------------|-------------------|
| Final Average      | $90 \leq \text{Avg} \leq 100$ | $80 \leq \text{Avg} < 90$ | $70 \leq \text{Avg} < 80$ | $60 \leq \text{Avg} < 70$ | $\text{Avg} < 60$ |
| Final Course Grade | A                             | B                         | C                         | D                         | F                 |

## Course Outline:

### TEXT REFERENCE

#### Chapter 9 - Probability

Sections: 9-1, 9-2, 9-3, 9-4

This chapter introduces elementary probability. Included topics are: Determining probability, experiments with tree diagrams, geometric probabilities, simulations, odds and expected value.

#### Chapter 10 – Data Analysis/Statistics: An Introduction

Sections: 10-2, 10-3, 10-4, 10-5

This chapter investigates types of graphs for different data: line graphs line plot graphs, bar graphs, histograms, measures of central tendency and variation, and abuses of statistics.

---

### Exam 1: Chapter 9 and Chapter 10

---

#### Chapter 11 - Introductory Geometry

Sections: 11-1, 11-2, 11-3, 11-4

This chapter includes basic concepts on the basic building blocks of geometry, polygons, angles, and geometry in three dimensions.

#### Chapter 12 - Congruence and Similarity with Constructions

Sections: 12-1, 12-2, 12-3, 12-4, 8-5

This chapter investigates congruence through construction, congruence properties, similar triangles and figures, and lines in a Cartesian coordinate system.

---

### Exam 2: Chapter 11 & 12, and section 8.5

---

#### Chapter 13 – Congruence and Similarity with Transformations

Sections: 13-1, 13-2, 13-3, 13-4

This chapter investigates translations, rotations, reflections, glide reflections, dilations, symmetries and tessellations\*.

#### Chapter 14 - Motion geometry

Sections 14-1, 14-2, 14-3,  
14-4\*, 14-5\*

This chapter explores linear measure, areas of polygons and circles, the Pythagorean Theorem, surface area, volume, mass, and temperature

---

### Exam 3: Chapter 13 &14

---



---

### Final exam: Chapter 9, 10, 11, 12, 13, and 14

---

### EGLS<sub>3</sub> -- 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](http://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.

## **Student Services**

### DISTANCE EDUCATION ADVISING AND COUNSELING SERVICES

Much DE student information can be found on the DE Student Services website: [de.hccs.edu](http://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.

### STUDENTS WITH DISABILITIES

#### 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<br>Equipment/Assistive<br>Technology | 713-718-6629 | 713-718-5604 |
| Interpreting and CART<br>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](http://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)

**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 Apr 3rd, 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.

### **Calculator Policy:**

You may or may not be allowed a calculator on your test at the teacher's discretion. Plan on not using a calculator on the test and should the teacher determine that one is needed you will be notified before the test.

### **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](http://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!!!

