HOUSTON COMMUNITY COLLEGE

Division of College Readiness
Developmental Mathematics Department
https://learning.hccs.edu/programs/developmental-mathematics

Math 0106: Basic Mathematics | Lecture | #25111

Spring 2021 | 4 Weeks (2.16.21-3.14.21)
Online | Southwest | Tuesday/Thursday 5:30-7:20 pm
1 Credit Hour | 16 hours per semester

Instructor Contact Information

Instructor:	Sheila Monsanto	Office Phone:	713-718-0000
Office:	Webex	Office Hours:	Tuesday/Thursday 5-5:25pm
HCC Email:	Sheila.monsanto@hccs.edu	Office Location:	virtual

HCC is offering students **FOUR** ways to learn during the Spring 2021 Semester. Descriptions of each type of courses can be found at: : https://www.hccs.edu/campaigns/college-your-way/

Online on a Schedule (WS)
The course modality of this class is *online on A Schedule*.
Faculty will hold class as per the assigned schedule, and students will attend online each class period utilizing Canvas Eagle Online.
Attendance will be taken each class period.

Please feel free to contact me concerning any problems that you are experiencing in this course. Your performance in my class is very important to me. I am available to hear the concerns and just to discuss course topics.

Instructor's Preferred Method of Contact

I prefer that you contact me using either your HCC email address or your Canvas email account. Please, include "Math 0106 (25111)" in the subject line of your email. I will respond to emails within 24 hours Monday through Thursday; I will reply to weekend messages on Monday mornings.

What's Exciting About This Course

This course has been designed to allow you to focus on the most practical material and skills that you will need to get you ready for any math class that you might take. Instead of reading the math from a textbook, your instructor will guide you in your understanding of the material by demonstrating it for you then practicing it right along with you.

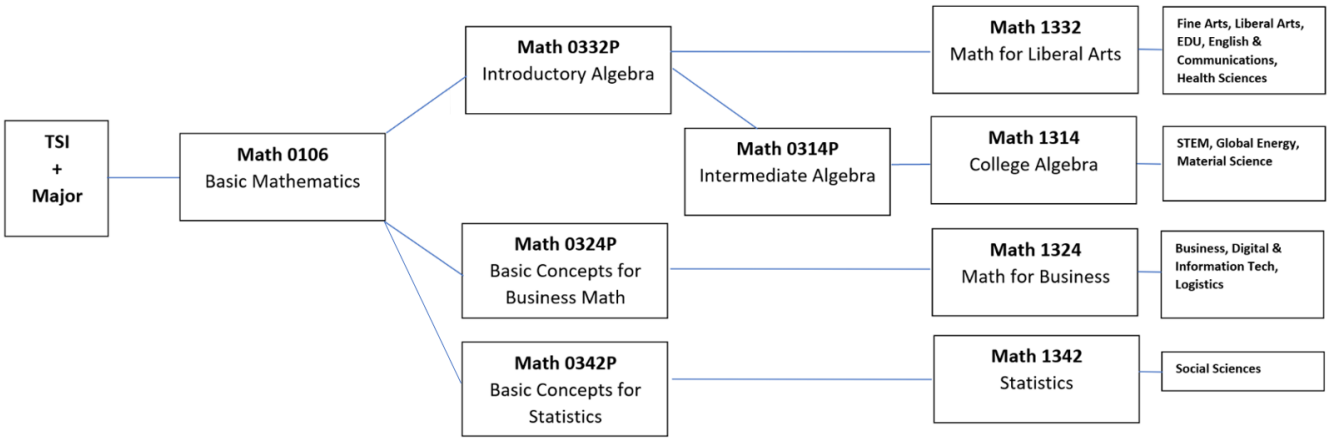
My Personal Welcome

Welcome to Basic Mathematics. My goal is to present the information so that you can grasp the concepts and apply them now and in future courses in your major.

As the semester progresses, I am available to guide you on your journey. The fastest way to reach me is by Canvas or HCC email. Do not hesitate to contact me with your concerns.

Prerequisites

Placement by state required entrance exam.



Eagle Online Canvas Learning Management System

This section of MATH 0106 has associated with it a course in Eagle Online Canvas (https://eagleonline.hccs.edu). You should log into the Eagle Online Canvas several times per week to check for announcements, class discussions, resources and updates during the semester. HCCS Open Lab locations may be used to access the Internet and Eagle Online Canvas. It is recommended that you **USE FIREFOX OR CHROME AS YOUR BROWSER.**

Instructional Materials

Textbook Information

There is no textbook for this course. However, there will be supplemental material, handouts, online resources, etc. provided in the Eagle Online Canvas course shell that you can use to assist you with succeeding in this course.

Other Instructional Resources

Tutoring

HCC provides free, confidential, and convenient academic support, including writing critiques, to HCC students in an online environment and on campus. Tutoring is provided by HCC personnel in order to ensure that it is contextual and appropriate. Visit the HCC Tutoring Services website for services provided.

Libraries

The HCC Library System consists of 9 libraries and 6 Electronic Resource Centers (ERCs) that are inviting places to study and collaborate on projects. Librarians are available both at the libraries and online to show you how to locate and use the resources you need. The libraries maintain a large selection of electronic resources as well as collections of books, magazines, newspapers, and audiovisual materials. The portal to all libraries' resources and services is the HCCS library web page at http://library.hccs.edu.

Supplementary Instruction

Supplemental Instruction is an academic enrichment and support program that uses peer-assisted study sessions to improve student retention and success in historically difficult courses. Peer Support is provided by students who have already succeeded in completion of the specified course, and who earned a grade of A or B. Find details at http://www.hccs.edu/resources-for/current-students/supplemental-instruction/.

Course Overview

This course helps students with basic math concepts required to be successful in MATH 1314. Topics include factoring, linear equations, distance and midpoint formulas, quadratic equations and applications, complex numbers, other types of equations, linear inequalities in one variable, and other types of inequalities, linear equations in two variables, functions, analyzing graphs of functions, a library of Parent functions, transformations of functions, combinations of functions, quadratic functions and models, polynomial functions of higher degree, zeros of polynomial functions, rational functions, and inequalities, inverse functions, exponential functions and their graphs, logarithmic functions and their graphs, properties of logarithm and exponential and logarithmic equations, linear and nonlinear systems of equations, two variable linear systems, solving system of equations using matrices, operations with matrices.

Core Curriculum Objectives (CCOs)

Given the rapid evolution of necessary knowledge and skills and the need to take into account global, national, state, and local cultures, the core curriculum must ensure that students will develop the essential knowledge and skills they need to be successful in college, in a career, in their communities, and in life. Through the Texas Core Curriculum, students will gain a foundation of knowledge of human cultures and the physical and natural world, develop principles of personal and social responsibility for living in a diverse world, and advance intellectual and practical skills that are essential for all learning.

- ***Critical Thinking***: 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.
- ***Quantitative and Empirical Literacy***: to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions.

Program Student Learning Outcomes (PSLOs)

During courses in the developmental math program students will

1. Engage in problem solving strategies, such as organizing information, drawing diagrams, and modeling.
2. Use symbolic representations to solve problems. This includes manipulating formulas, solving equations, and graphing lines.
3. Learn the foundational mathematical skills that will enable a student to successfully complete a college level math course.

Course Student Learning Outcomes (CSLOs)

Upon completion of MATH 0106, the student will be able to:

1. Correctly choose and apply the four basic arithmetic operations with decimals and fractions to estimate and solve application problems.
2. Apply "Proportional Reasoning" to solve related problems including ratios, rates, proportion, and percent.

Learning Objectives

Upon completion of MATH 0106, the student will be able to:

1. Solve problems by estimating and rounding.
2. Find the least common multiples of two or more whole numbers.
3. Add, subtract, multiply and divide fractions.
4. Add, subtract, multiply and divide with decimals and percent
5. Solve problems involving ratio and proportion.

Student Success

Houston Community College is committed to furthering the cause of social justice in our community and beyond. HCC does not discriminate on the basis of race, color, religion, sex, gender identity and expression, national origin, age, disability, sexual orientation, or veteran status. I fully support that commitment and, as such, will work to maintain a positive learning environment based upon open communication, mutual respect, and non-discrimination. In this course, we share in the creation and maintenance of a positive and safe learning environment. Part of this process includes acknowledging and embracing the differences among us in order to establish and reinforce that each one of us matters. I appreciate your suggestions about how to best maintain this environment of respect. If you experience any type of discrimination, please contact me and/or the Office of Institutional Equity at 713-718-8271.

Expect to spend at least twice as many hours per week outside of class as you do in class studying the course content. Math cannot be learned by merely reading or hearing about it, you must spend the time to practice. The assignments provided will help you use your study hours wisely. Successful completion of this course requires a combination of the following:

- Attending class
- Completing assignments
- Participating in class

There is no short cut for success in this course; it requires time and dedication.

Instructor and Student Responsibilities

As your Instructor, it is my responsibility to**:**

- Provide the grading scale and detailed grading formula explaining how student grades are to be derived
- Facilitate an effective learning environment through learner-centered instructional techniques
- Provide a description of any special projects or assignments
- Inform students of policies such as attendance, withdrawal, tardiness, and making up assignments
- Provide the course outline and class calendar that will include a description of any special projects or assignments
- Arrange to meet with individual students before and after class as required

As a student, it is your responsibility to**:**

- Attend class in person and/or online
- Participate actively by reviewing course material, interacting with classmates, and responding promptly in your communication with me
- Read and comprehend the textbook
- Complete the required assignments and exams
- Ask for help when there is a question or problem
- Keep copies of all paperwork, including this syllabus, handouts, and all assignments
- Attain a raw score of at least 60% on the departmental final exam
- Be aware of and comply with academic honesty policies in the HCCS Student Handbook

Assignments, Exams, and Activities

Exams

There will be 3 major proctored examinations (every Thursday) given in this class plus one proctored comprehensive final examination. All exams in this course required Lockdown Browser. Exams will be administered in either Canvas or ALEKS. There will be NO makeup exams. If you miss an exam, then the final exam will count twice. If you miss a second exam, then the second missed exam grade will be recorded as a "zero." Note that only the departmental final exam is multiple choice, all other exams will consist of open ended questions.

The Developmental Math Department is requiring the remote proctoring of examinations (including the Final Exam) to ensure the integrity of the assessment process and to prevent acts of academic dishonesty. In this course, in addition to a reliable internet connection, you will be required to have hardware that meets the following minimal requirements:

a) A functioning webcam and microphone, and b) A computer with operating system that is capable of running the Respondus LockDown Browser and Respondus Monitor.

If you are unable to obtain the hardware listed above, please speak with the class instructor.

Final Exam

All students will be required to take a cumulative departmental final exam consisting of 33 multiple-choice questions. You must get at least 60% (20 of 33) of the items correct on the final to pass the course (departmental policy).

Grading Formula

Semester grades will be calculated using the following formula.

Tests-35%
Homework-15% (Syllabus and Pre test quiz will count as homework %; due to time limitations)
Final Exam-50%

Note that the final exam must be worth at least 50% of the grade and at least 3 in class assessments must be given aside from the final.

Grade	Percent
A	90% +
B	80% - 89%
C	70% - 79%
F/IP	0% - 69%

FX	Excessive Absences

Developmental Math Department Grading Policy:

The grade of **D** is not allowed in developmental math courses. The grade of **FX** is given when a student fails due to lack of attendance. Any student that has failed this course for the first time is eligible to receive an IP. Any subsequent failures will receive an F. A grade of **W** may be given on or before the official withdrawal date but not at the time of final grade submission.

HCC Grading Scale can be found on this site under Academic Information:
http://www.hccs.edu/resources-for/current-students/student-handbook/

Course Calendar

Week	Dates	Topic/What's due
1	2/25/21	Fractions & Applications, Quizzes/Tests: Fractions & Applications 2/28/21
2	3/2/21	Decimals & Applications, Quiz/Test: Decimals & Applications 3/3/21
3	3/4/21	Percent & Applications, Quiz/Test: Percent & Applications 3/7/21
4	3/9/21	Departmental Final Exam-Comprehensive 3/11/21

NOTE: This is a tentative testing schedule for the class. Testing dates are subject to change at the instructor's discretion.

Syllabus Modifications

The instructor reserves the right to modify the syllabus at any time during the semester and will promptly notify students in writing, typically by e-mail, of any such changes.

Instructor's Practices and Procedures

Missed Assignments

All homework assignments must be submitted by 11:59pm of the due date. Also, there will be NO makeup exams. If you miss an exam, the final exam will count twice. It will count once for the missed exam and again for the final exam itself.

Academic Integrity

All forms of academic dishonesty including, but not limited to cheating, plagiarism, and collusion are serious offenses. Possible consequences for academic dishonesty include a grade a 0 or F in the particular assignment, failure in the course, and/or recommendations for probation or dismissal from the institution.

Here's the link to the HCC information about academic integrity (Scholastic Dishonesty and Violation of Academic Scholastic Dishonesty and Grievance): http://www.hccs.edu/about-hcc/procedures/student-rights-policies--procedures/student-procedures/

Attendance Procedures

Online on a Schedule classes are online courses with traditional meeting components; coursework is online, and there are specific times to log in for scheduled class meetings. I will take roll each class.

If you do not register for ALEKS (homework) and submit at least one graded homework assignment before the official day of record (Friday, February 19, 2021), then you may be dropped from the class.

The last day to withdraw from this class is Wednesday, March 3, 2021 by 4pm.

Student Conduct

As with on-campus classes, all students in HCC Online 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.

- Please turn your device camera on for roll call only
- Please learn how to mute yourself during the class period
- This is a learning environment; please sit up right when the camera is on
- Please allow just yourself in the camera view; I understand children will pass through but we want to keep it a professional/learning environment

Electronic Devices

The use of any calculator during any exam is prohibited and will be considered cheating (see academic integrity section above).

Developmental Mathematics Program Information

For more information on the developmental math program visit:
https://learning.hccs.edu/programs/developmental-mathematics

HCC Policies

Here's the link to the HCC Student Handbook http://www.hccs.edu/resources-for/current-students/student-handbook/ In it you will find information about the following:

- Academic Information
- Academic Support
- Attendance, Repeating Courses, and Withdrawal
- Career Planning and Job Search
- Childcare
- disAbility Support Services
- Electronic Devices
- Equal Educational Opportunity
- Financial Aid TV (FATV)
- General Student Complaints
- Grade of FX
- Incomplete Grades
- International Student Services
- Health Awareness
- Libraries/Bookstore
- Police Services & Campus Safety
- Student Life at HCC
- Student Rights and Responsibilities
- Student Services
- Testing
- Transfer Planning
- Veteran Services

EGLS^3

The EGLS^3 (Evaluation for Greater Learning Student Survey System) will be available for most courses near the end of the term until finals start. This brief survey will give invaluable information to your faculty about their teaching. Results are anonymous and will be available to faculty and division chairs after the end of the term. EGLS^3 surveys are only available for

the Fall and Spring semesters. -EGLS3 surveys are not offered during the Summer semester due to logistical constraints.
http://www.hccs.edu/resources-for/current-students/egls3-evaluate-your-professors/

Campus Carry Link

Here's the link to the HCC information about Campus Carry:
http://www.hccs.edu/departments/police/campus-carry/

HCC Email Policy

When communicating via email, HCC requires students to communicate only through the HCC email system to protect your privacy. If you have not activated your HCC student email account, you can go to HCC Eagle ID and activate it now. You may also use Canvas Inbox to communicate.

Housing and Food Assistance for Students

Any student who faces challenges securing their foods or housing and believes this may affect their performance in the course is urged to contact the Dean of Students at their college for support. Furthermore, please notify the professor if you are comfortable in doing so.

This will enable HCC to provide any resources that HCC may possess.

Office of Institutional Equity

Use the link below to access the HCC Office of Institutional Equity, Inclusion, and Engagement (http://www.hccs.edu/departments/institutional-equity/)

disAbility Services

HCC strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including long and short term conditions, mental health, chronic or temporary medical conditions), please meet with a campus Abilities Counselor as soon as possible in order to establish reasonable accommodations. Reasonable accommodations are established through an interactive process between you, your instructor(s) and Ability Services. It is the policy and practice of HCC to create inclusive and accessible learning environments consistent with federal and state law. For more information, please go to http://www.hccs.edu/support-services/disability-services/

Title IX

Houston Community College is committed to cultivating an environment free from inappropriate conduct of a sexual or gender-based nature including sex discrimination, sexual assault, sexual harassment, and sexual violence. Sex discrimination includes all forms of sexual and gender-based misconduct and violates an individual's fundamental rights and personal dignity. Title IX prohibits discrimination on the basis of sex-including pregnancy and parental status in educational programs and activities. If you require an accommodation due to pregnancy please contact an Abilities Services Counselor. The Director of EEO/Compliance is designated as the Title IX Coordinator and Section 504 Coordinator. All inquiries concerning HCC policies, compliance with applicable laws, statutes, and regulations (such as Title VI, Title IX, and Section 504), and complaints may be directed to:

David Cross
Director EEO/Compliance
Office of Institutional Equity & Diversity
3100 Main
(713) 718-8271
Houston, TX 77266-7517 or Institutional.Equity@hccs.edu
http://www.hccs.edu/departments/institutional-equity/title-ix-know-your-rights/

Office of the Dean of Students

Contact the office of the Dean of Students to seek assistance in determining the correct complaint procedure to follow or to identify the appropriate academic dean or supervisor for informal resolution of complaints.

https://www.hccs.edu/about-hcc/procedures/student-rights-policies--procedures/student-complaints/speak-with-the-dean-of-students/

Department Chair Contact Information

College Level Math Courses

Chair of Math	Susan Fife	SW Campus	713-718-7241	Stafford, Scarcella, N108
- Admin. Assistant	Tiffany Pham	SW Campus	713-718-7770	Stafford, Scarcella, N108
- Admin. Assistant	Christopher Cochran	SW Campus	713-718-2477	Stafford, Scarcella, N108
Math Assoc. Chair	Jaime Hernandez	CE Campus	713-718-7772	San Jacinto Building, Rm 369
Math Assoc. Chair	Mahmoud Basharat	NW Campus	713-718-2438	Katy Campus Building, Rm 112
Math Assoc. Chair	Emmanuel Usen	NE Campus	713-718-8062	Northline, Rm 324

Developmental Math Courses

Chair of Dev. Math	Marisol Montemayor	SE Campus	713-718-7153	Felix Morales Building, Rm 124
- Admin. Assistant	Carmen Vasquez	SE Campus	713-718-7056	Felix Morales Building, Rm 124
Dev. Math Assoc. Chair	Hien Nguyen	SE Campus	713-718-2440	Felix Morales Building, Rm 124
Dev. Math Assoc. Chair	Jack Hatton	SW Campus	713-718-2434	Stafford, Learning Hub, Room 208

For issues related to your class, please first contact your instructor.
If you need to contact departmental administration, then contact the appropriate Associate Chair.
If further administrative contact is necessary, then contact the appropriate Department Chair.