



Math 0309: Introductory Algebra

CRN 19711 - Fall, 2018

C127 West Loop Center | 10:00 - 11:50 | Mon and Wed

3 hour lecture course / 48 hours per semester/ 12 weeks

Textbook: Introductory and Intermediate Algebra for Houston Community College,

Margaret Lial, Pearson Custom Publishing: 2019

ISBN 13: 978-0-13-533201-6; Course ID: hccs98935

Instructor: Winton Aubert

Instructor Contact Information: Winton.Aubert@hccs.edu

Office location and hours: available by agreement.

Preferred Method of Contact: email.

Class Cancellation: The department secretary will call the students in case of cancellation

Course Description

Introductory Algebra: Topics include real numbers, introduction to logic, polynomials, basic factoring, linear equations, linear models, percentage models, order of operations, set operations, and an introduction to other topics which may include linear and quadratic modelling and math for financial management. A departmental final examination must be passed with a score of 60% or more in order to pass the course.

Prerequisites

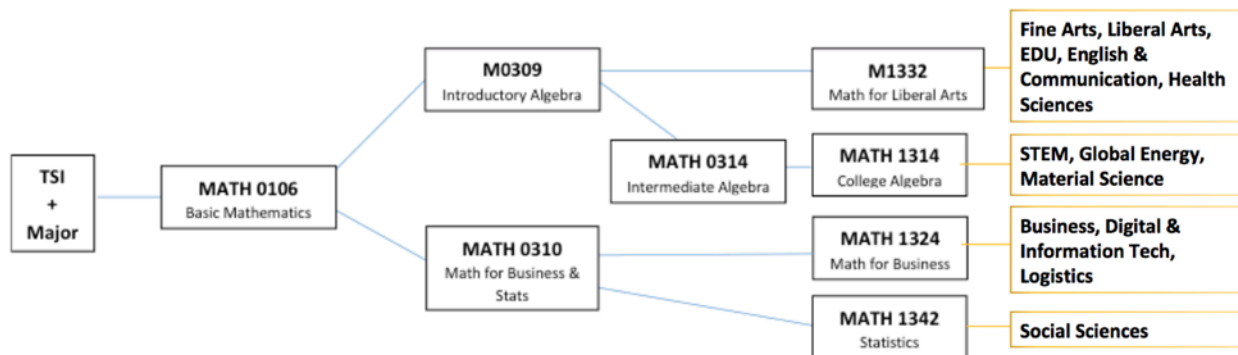
TSIA ABE level 5 or 6; TSIA Math Score 336 – 349 with Intermediate Algebra Diagnostic Score 0 – 3; Math 0106: Pass with “C” or better

Course Goal

This course is intended to prepare STEM students at a developmental level for MATH 0314 and Fine Arts, Liberal Arts, Humanities, and Education students of any developmental level for MATH 1332. Be sure that you are enrolled in the correct math class. If you are a Business Major or have a Social Science major, it is likely that you need MATH 0310 instead of MATH 0309. Notify your teacher and/or advisor as soon as possible.

HCC MATH PATHWAYS

Math 0309 is a co-requisite to MATH 1332. MATH 0310 is a co-requisite to with MATH 1324 and MATH 1342. MATH 0309 is a prerequisite to MATH 0314 and MATH 0314 is a prerequisite to MATH 1314.



Course Student Learning Outcomes (SLO)

1. Identify and apply properties of real numbers, and perform accurate arithmetic operations with numbers in various formats.
2. Demonstrate the ability to manipulate/simplify algebraic expressions, & classify/solve algebraic equations with appropriate techniques.
3. Demonstrate the use of elementary graphing techniques.
4. Solve basic problems in mathematics of finance.
5. Recognize, examine, and interpret the linear and quadratic equations.
6. Identify sets and set notations and perform set operations.
7. Interpret and analyze various representations of data.
8. Demonstrate the understanding of basic concepts in logic.

Learning objectives

Students will:

1. Add, subtract, multiply and divide real numbers and manipulate certain expressions.
2. Simplify algebraic expressions.
3. Solve problems using equations.
4. Factor polynomials using the techniques of the greatest common factor and grouping.
5. Solve problems using simple interest and compound interest.
6. Plot ordered pairs and graph linear equations.
7. Graph linear inequalities.
8. Find the rate of change of a line & write the equation of a line given slope and y-intercept
9. Model situations with linear and quadratic problems.
10. Identify sets and perform set operations including union, intersection and complement of sets.
11. Understand basic concepts in Logic.
12. Interpret and analyze various representations of data.

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 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.

CALENDAR

Second start begins on 9/24/2018. Last day to withdraw is 11/12/2018. **Final exam is 12/12/2018 at 10:00 AM.**

Class Policies

Per HCCS policy, absolutely no food or drinks are allowed in the classroom. Also, HCCS policy forbids children in classrooms and lab facilities. We will maintain an informal class atmosphere, as long as everyone adheres to generally accepted classroom decorum.

Cell Phone Policy

All cell phones must be muted or turned off during class. Cell phone activity during class is considered disruptive to the academic process. Cell phones are not to be on student desks nor on student's laps during class. Cell phone usage of any kind is expressly prohibited during class. Text messaging is strictly prohibited during class. Students who violate this cell phone policy will be told to leave class for the day and marked absent for the remainder of the class.

Use of Camera and/or Recording Devices

As a student active in the learning community of this course, it is your responsibility to be respectful of the learning atmosphere in

your classroom. To show respect of your fellow students and instructor, you will turn off your phone and other electronic devices, and will not use these devices in the classroom unless you receive permission from the instructor.

Use of recording devices, including camera phones and tape recorders, is prohibited in classrooms, laboratories, faculty offices, and other locations where instruction, tutoring, or testing occurs. Students with disabilities who need to use a recording device as a reasonable accommodation should contact the Office for Students with Disabilities for information regarding reasonable accommodations

Personal Communication Device Policy:

All personal communication devices (any device with communication capabilities including but not limited to cell phones, blackberries, pagers, cameras, palmtop computers, lap tops, PDAs, radios, headsets, portable fax machines, recorders, organizers, databanks, and electronic dictionaries or translators) must be muted or turned off during class. Such activity during class time is deemed to be disruptive to the academic process. Personal communication devices are to not be on the student desk during examinations. Usage of such devices during exams is expressly prohibited during examinations and will be considered cheating (see academic honesty section below).

Calculator Policy: As with all developmental mathematics courses at HCC, **the use of a calculator during any exam, including the final exam, is prohibited** and will be considered cheating (see academic honesty section below).

Student’s Assessments: there will be two quizzes, a departmental Midterm Exam and a departmental Final Exam.

Final Exam Policy in Developmental Mathematics:

The following policy was adopted by Houston Community College regarding the system-wide Final Examinations in developmental mathematics courses:

- a. Students who score less than 60% on the Final Examination or who have an overall course average less than 70% will be awarded a grade of “IP” or “F.” The “IP” grade will be awarded to those students taking Math 0309 for the 1st time. The “F” grade will be awarded to those students who are repeating Math 0312.

- b. Students who score 60% or higher on the Final Examination and whose overall course average is equal to or greater than 70%, will have their grades averaged and awarded a grade based upon the standard 10 point scale.

Instructor’s Grading Criteria:

Break down of grade calculation by points or percentage.

Grading policy:

Exam 1	20%
Midterm (Exam 2)	20%
Exam 3	20%
Homework/lab	15%
Final Exam	25%

HCC Grading Scale:

A = 100 – 904 points per semester hour
B = 89 – 803 points per semester hour
C = 79 – 702 points per semester hour
69 and below = F or IP0 points per semester hour
IP (In Progress)0 points per semester hour
W (Withdrawn)0 points per semester hour
I (Incomplete)0 points per semester hour
AUD (Audit)0 points per semester hour

IP (In Progress) is given only in certain developmental courses. The student must re-enroll to receive credit. COM (Completed) is given in non-credit and continuing education courses. To compute grade point average (GPA), divide the total grade points by the total number of semester hours attempted. The grades “IP,” “COM” and “I” do not affect GPA.

Note: The grade of “FX” is given when a student fails due to lack of attendance. A grade of “W” may be given on or before the official withdrawal date but not at the time of final grade submission.

HCC Policy Statement – ADA, Academic Honesty, Student Attendance, 3-peaters, Withdrawal Deadline

Access Student Services Policies on their Web site: <http://www.hccs.edu/district/students/student-handbook/>

HCC strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including 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/district/students/disability-services/>

Class attendance is very important to course success. Unexcused class absences may result in a student being dropped from the class roll, in accordance with HCCS policy.

Last day to withdraw is 11/12/2018.

Campus Carry Policy: At HCC the safety of our students, staff, and faculty is our first priority. As of August 1, 2017, Houston Community College is subject to the Campus Carry Law (SB11 2015). For more information, visit the HCC Campus Carry web page at <http://www.hccs.edu/district/departments/police/campus-carry/>.”

Resource Materials: In addition, this course has an associated CANVAS Model course. Course materials are available within the CANVAS Course Management System. Any student enrolled in a developmental math course at HCC has access to the Learning Resource Center (LRC) where they may get additional help in understanding the theory or in improving their skills. The LRC is staffed with mathematics faculty and/or student assistants, and offers tutorial help, videos and computer-assisted drills.

HCC Policy Statement: Sexual Misconduct

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

Houston, TX 77266-7517 or Institutional.Equity@hccs.edu

Student Course Reinstatement Policy:

Students have a responsibility to arrange payment for their classes when they register, either through cash, credit card, financial aid, or the installment plan. Faculty members have a responsibility to check their class rolls regularly, especially during the early weeks of a term, and reconcile the official class roll to ensure that no one is attending class whose name does not appear on it. Students who are dropped from their courses for nonpayment of tuition and fees who request reinstatement after the official date of record (OE Date) can be reinstated by making payment in full and paying an additional \$75 per course reinstatement fee. A student requesting reinstatement should present the registrar with a completed Enrollment Authorization Form with the signature of the instructor, department chair, or dean who should verify that the student has been attending class regularly. Students who are reinstated are responsible for all course policies and procedures, including attendance requirements.

Resources:

The HCC Tutoring Centers provide free tutoring for individual subjects offered at specific times throughout the week on various campuses. There is no need to make an appointment. If you need a tutor, visit: www.hccs.edu/findatutor for times and locations. For more information about tutoring at HCC, visit www.hccs.edu/district/students/tutoring.

Additional help is also available through Student Support Services. Students can get free assistance, 24 hours a day, 7 days a week, in Math, English and other subjects, at <https://hccs.upswing.io/>. Typically, posted questions are answered by an HCC tutor or faculty within 24 hours (usually under 6 hours). There are also several online math resources that you can find with an internet search. You may also find information on the Learning Web site accessible through your specific HCCS campus website.

Any student that faces challenges securing their food or housing and believes this may affect their performance in the course are urged to contact the Dean of Students for support. Furthermore, please notify the professor if you are comfortable in doing so. This will enable us to provide any resources that HCC may possess

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	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	713-718-2477	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	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	NE Campus	713-718-2434	Northline Building, Room 321
Technical Support Specialist	Douglas Bump	SE Campus	713-718-7317	Angela Morales Building, Rm 101

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.