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

Summer 2020 (8 week course online) crn #:20074
Math 0332: Corequisite Support of Math 1332 online
Online course
3 Credit Hours | 48 hours per semester
Aug 24 to Dec 13th

Instructor Contact Information

Instructor: Mohamad Elkhatib.   Office Phone: 713-51643334
                  Office Hours: Daily on Webex from 4 pm to 5 pm
HCC Email: mohamad.elkhatib@hccs.edu   Office Location: Online on Webex

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

Texting is the fastest way to get a quick response. I will respond to emails within 24 hours Monday through Friday; I will reply to weekend messages on Monday mornings.

What's Exciting About This Course

This course will be fun because it covers the Math you need on daily basis

My Personal Welcome
I would like to welcome you to class. Since the course will be online,I will provide you with videos, powerpoint presentation and biweekly tutoring on Webex.You must check the weekly announcements every Monday on canvas to learn what's needed for the whole week.
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Prerequisites/Corequisites

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**.**

Corequisites: MATH 0332 is a corequisite support course for MATH 1332. Students should be aware that sections of these courses are **LINKED**. Therefore, developmental math students who enroll in Math 0332

must also enroll in the linked section of Math 1332 (in the same semester). Developmental students **must maintain satisfactory attendance in BOTH** Math 0332 and Math 1332. If a developmental student withdraws or drops from one course in the corequisite pair, then he/she will be dropped from the other linked course. Corequisite courses must be taken during the same semester. Please carefully read and consider the repeater policy in the HCCS Student Handbook.

Canvas Learning Management System

This section of MATH 0332 will use Canvas (https://eagleonline.hccs.edu) to supplement in-class assignments, exams, and activities. **Grades and activities will be posted on canvas**
HCCS Open Lab locations may be used to access the Internet and Canvas. **USE FIREFOX OR CHROME AS THE INTERNET BROWSER**.

Instructional Materials

Textbook Information

There is no additional textbook requirement for the class. However, students must have access to Learning Guide with Integrated Review – which is available in MyLab Math. In addition to the workbook, students also need college math textbook: Thinking Mathematically, 7th Edition, by Robert Blitzer ISBN-13: 978-0134683713.

Temporary Free Access to E-Book

For temporary free access to MyLab Math, the online eBook and workbook, go to https://www.pearsonmylabandmastering.com and register using the MyLab Math Course ID: elkhatib25694

Other Instructional Resources

Students must have access to the workbook and Math 1332 textbook. Any additional supplemental material will be provided by the instructor as needed.

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

Contemporary Mathematics is a course designed for liberal arts, non-mathematics, non-science, and non-business majors. The course provides students with an appreciation of the history, art, and beauty of mathematics in the world around us. Topics include an examination of sets with applications, an introduction to logic and truth tables, probability and statistics, financial management, mathematical modeling and its applications.

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)

Students in the Mathematics Program will:
- Engage in problem solving strategies, such as organizing information, drawing diagrams and modeling.
- Use symbolic representations to solve problems. This includes manipulating formulas, solving equations, and graphing lines.
- Build the foundational mathematical skills that will enable a student to successfully complete a college level mathematics course.

Course Student Learning Outcomes (CSLOs)

1. Apply the language and notation of sets.
2. Use the tools of logic to determine the validity of an argument or statement.
3. Solve problems in mathematics of finance.
4. Demonstrate fundamental probability techniques and apply those techniques to solve problems.
5. Interpret and analyze various representations of data.
6. Demonstrate the ability to choose and analyze mathematical models to solve problems from real-world settings, including, but not limited to, personal finance, health literacy, and civic engagement.

Learning Objectives

Upon completion of MATH 0332, the student will be able to:
Students will:
1.1 Use Venn diagrams to solve application problems.
1.2 Identify sets and subsets and perform set operations.
1.3 Be familiar with the basic concepts of probability.
2.1 Express statements using symbols.
2.2 Form the negation of a statement.
2.3 Express compound statements symbolically.
2.4 Construct truth tables.
2.5 Determine truth value of compound statements.
2.6 Use truth tables to show that statements are equivalent.
2.7 Use truth tables to determine validity of arguments.
3.1 Convert fractions and decimals to percents.
3.2 Convert percents to decimals and fractions.
3.3 Find simple and compound interest.
3.4 Find the future value of a given annuity.
3.5 Find the monthly payment and the total interest for a given simple interest amortized loan.
4.1 Find the probability of an event.
4.2 Use tree diagrams to find possible outcomes and use combinations and permutations.
4.3 Solve application problems involving probability.
5.1 Be familiar with the fundamentals of statistics.
5.2 Assess a statistical study.
5.3 Find the mean, median, and mode of given sets of raw data.
5.4 Interpret statistical tables and graphs.
5.5 Identify normal and skewed distribution curves.
5.6 Determine variance and standard deviation from a given sample.
5.7 Find the margin of error associated with a given sample.
5.8 Apply linear and quadratic functions.
5.9 Apply exponential and logarithmic functions.

Student Success

Expect to spend at least twice as many hours per week outside of class as you do in class studying the course content. Additional time will be required for written assignments. The assignments provided will help you use your study hours wisely. Successful completion of this course requires a combination of the following:
- Reading the textbook
- Attending class online
- Completing assignments

There is no short cut for success in this course; it requires reading (and probably re-reading) and studying the material using the course objectives as a guide.
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Instructor and Student Responsibilities: Students need to complete assignments on my math lab onetime. And must answer the professor emails

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 50% on the departmental final exam
- Be aware of and comply with academic honesty policies in the HCCS Student Handbook

Assignments, Exams, and Activities

Unit Tests

Unit tests are designed to help student study and succeed in the college level tests.

Exams will be given at the end of each chapter. Review for exams will be on mymathlab.

College Level Final Exam Review Test

A minimum of 20 item test based on the college level final exam review will be administered with feedback to be given 1-3 weeks before the final exam week.

Grading Formula

Homework will be given on mymathlab

3 Unit Tests		60 of your grade
Homework	20% of your grade	

	Grade
	Overall Percentage
	A
90% +	
	B
80%-89%	
	C
70%- 79%	
	IP
<70% first time	
	F
<70% not first time	
	FX
Excessive absence	

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. **A grade of IP is given only** **one time.** A grade of **W** may be given on or before the official withdrawal date but not at the time of final grade submission.

Further support will be recommended for students who pass this class and do not pass the college level class.

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

Course Calendar
 Test 1:   Sept 17

Test 2: Oct 22

Test 3: Nov 19

Final Exam : TBD
8

The Math Department is requiring the remote proctoring of all major 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.

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
Exams will not be multiple choice. If you miss an exam, you should have a legitimate excuse. I will arrange a makeup exam for you. The exam will not be exactly the same as the one your classmate have taken.

Academic Integrity
Do the assignment on your own and on time

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
MATH 0332 is a corequisite support course for MATH 1332. Students should be aware that sections of these courses are **LINKED**. Therefore, developmental math students who enroll in Math 0332 must also enroll in the linked section of Math 1332 (in the same semester). Developmental students **must maintain satisfactory attendance in BOTH** Math 0332 and Math 1332. If a developmental student withdraws or drops from one course in the corequisite pair, then he/she will be dropped from the other linked course. Corequisite courses must be taken during the same semester. Please carefully read and consider the repeater policy in the HCCS Student Handbook.

Attendance will be given regularly. Excessive absences will result in dropping you from class.

Mathematics Program Information

- HCC Math Student Organizations: Mu Alpha Theta: Application: https://www.hccs.edu/resources-for/current-students/stem--science-technology-engineering--mathematics/stem-clubs/mu-alpha-theta-application/
- Mathematics related Scholarships: T-Stem: https://www.hccs.edu/t-stem

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
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
Jack Hatton
SE Campus
713-718-2434
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
Adnan Ulhaque
SW Campus
713-718-5463
Stafford, Learning Hub, Room 208
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.