



FINITE- MATH 1324 - DE - Blackboard, CRN 67878

COURSE SYLLABUS for Spring, 2011, January 18, - May 15th 2011

Instructor: Dr. Helen Lee Wylie, Town & Country Campus, Room AD5, 713-718-5658, Office Hours, MW 7- 8am and 12:30-3 pm. I am at other campuses on TTHF. I log on twice a day during the week. Please email me with your questions.

Course Description: A survey of finite mathematics and its application to problems of business and the natural and social sciences. Topics include set theory, probability, and introduction to solving matrices, linear programming, and an introduction to statistics.

There is a new DE STUDENT HANDBOOK online for you to use. Please look at it at:
<http://de.hccs.edu/de/de-student-handbook>.

TEXTBOOK: MATHEMATICS WITH APPLICATIONS; 9TH edition, 2007, Lial, Hungerford, Holcomb; Addison Wesley. ISBN 0-321-38779-1. This is the first year for this book at our college, but it has been used at other colleges. If you order it online, please pay for a speedy delivery, otherwise you will get behind. I recommend the solutions manual since you will not be able to ask me about the homework, like we do in a classroom setting.

ATTENDANCE: Since this is an online course, attendance is not taken. However, you should try to log on daily for updates, check your email for messages, and keep up with your work.

GRADING POLICIES:

SCALE: 90 - 100 => A, 80 - 89 => B, 70 - 79 => C, 60 - 69 => D, below 60 is an F.

60% of your grade will be from the 4 UNIT TESTS taken online. The Reviews and TESTS will be open all semester but on the CALENDAR I have a recommended schedule for you to follow. YOU MUST HAVE 2 UNITS COMPLETED (REVIEWS AND TESTS) BY MARCH 22 OR I WILL DROP YOU!!!!!!!!!!!!

10% of your grade will be from homework grades consisting of the 4 UNIT REVIEWS (all line). You will be able to take these 3 times until you get the questions correct.

30% will be from the Final Exam which is taken online. I watch closely for cheating. YOU MUST DO YOUR OWN WORK. You can use a calculator for all tests and I will have formula sheets and tables used for the last 2 Units. You will know your grades for those tests done online immediately.

**The last day that you can Withdraw with a W is April 21 at 4 pm. You can only have 6 W's and still get a degree. You must withdraw yourself by the above date at :
<https://hccsaweb.hccs.edu:8080/psp/csprd/?cmd=login&languageCD=ENG> . I tend not to**

withdraw you since I don't know how many W's you have. It is serious business now!!

Course Objectives: At the completion of this course, a student should be able to:

1. Be able to graph systems of linear equations in two variables.
2. Be able to solve systems of linear equations using Gauss-Jordan.
3. Know how to add, subtract, and multiply matrices.
4. Be able to find the inverse of a square matrix.
5. Be able to graph systems of linear inequalities in two variables.
6. Know the graphical method for solving standard maximization and minimization problems.
7. Know the matrix way of solving linear programming problems.
8. Be able to perform the basic set operations.
9. Be able to use the multiplication principle of counting.
10. Understand permutations and combinations.
11. Understand conditional probability.
12. Be able to find expected values.
13. Be able to find mean, median, mode, range, variance and standard deviation of a set of value.
14. Be able to find the binomial probability and use the normal distribution so solve problems.

NEW DE STUDENT USERID:

Your new student login userid will be **your HCC User ID (sometimes referred to as the "W" number)**. All HCC students have a unique User ID. It is the same number you use for class registration. For students who have taken DE classes in previous semesters, the login will no longer be "firstname.lastname" + the last 2 digits of your SS#. If you do not know your User ID you can look it up using the following links:

a) From www.hccs.edu, click on "Login Help" under the "Student System Sign In" field, then click on "Retrieve User ID" and follow instructions

Or use the direct link:

<http://hccsaweb.hccs.edu:8080/servlets/iclientservlet/sauat/?cmd=start>

The default student password will still be "distance". As always, students will then be prompted to change their password after their first login. These new student login procedures apply to classes taught in

DISABILITY NOTIFICATION: Any student with a documented disability (e.g.physical, learning, psychiatric, vision, hearing, etc) who needs to arrange reasonable accommodations must contact the appropriate HCC Disability Support Service (DSS) Counselor at the beginning of each semester. Faculty are authorized to provide only the accommodations requested by the Disability Support Services Office.

Students who are requesting special testing accommodations must first contact the appropriate DSS Counselor for assistance. Please contact the Distance Education Counselors at 713.718.5275, optionws #4 or at de.counseling@hccs.edu in order to be referred to the appropriate HHC DSS Counselor.

Student who require testing accommodations need to schedule an appointment for testing to ensure that staff will be available for proctoring and arrange for any adaptive equipment that may be required.

DISTANCE EDUCATION ADVISING & COUNSELING SERVICES: Advising can be accomplished by telephone at 713.718.5275, option #4, via email at de.counseling@hccs.edu, and by visiting the Distance Education Office at the HCC Administration Building, 3100 Main Street, 3rd floor.

HCC Course Withdrawal Policy

The State of Texas has begun to impose penalties on students who drop courses excessively. That is, if you repeat the same course more than twice, you have to pay extra tuition. In addition, as of Fall, 2007, students are limited to no more than SIX total withdrawals throughout their educational career at a Texas public college or university, or you won't get a degree. To help students avoid having to drop/withdraw from any class, HCC has instituted an Early Alert process by which your professor will "alert" you and Distance Education (DE) counselors that you might fail a class because of excessive absences and/or poor academic performance. Contact your DE professor regarding your academic performance or a DE counselor to learn about what, if any, HCC interventions might be available to assist you - online tutoring, child care, financial aid, job placement, etc. - to stay in class and improve your academic performance. **In order to withdraw from your DE class, you MUST do it at : <https://hccsweb.hccs.edu:8080/psp/csprd/?cmd=login&languageCD=ENG> .That date is April 21, 2011 at 4 pm.** If you do not withdraw before the deadline, you will receive the grade that you have earned by the end of the semester. Zero's will be averaged in for assignments missed but required. This usually means an "F". You may also contact a DE Counselor to withdraw.

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, and the Student Handbook, and relevant sections of the Texas Education Code with interacting and communication 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. **DO YOUR OWN WORK!! I HAVE A PROGRAM THAT TRACKS EACH OF YOU CLOSELY.**

TIMELINE (specifics in each unit on the HOMEPAGE , NOTES AND OUTLINE FOLDER) You will spend the first week doing Assignment 1 in the START HERE folder on the HOMEPAGE.

UNIT ONE	3 weeks	Chapters 6- Systems of linear equations and matrices. SEE CALENDAR) Homework will be under the Units on the HOMEPAGE of BB. It is for your learning, I don't see it
UNIT TWO	4 weeks	Chapters 7- Linear Programming.

UNIT THREE	4 weeks	Chapters 8& 9 - Sets and Probability.
UNIT FOUR	3 weeks	Chapter 10 - Statistics.
FINAL EXAM	last week	