

Mathematics 118 - General Education Mathematics

Spring 2007 - Syllabus

Course Title:	General Education Mathematics
Credit Hours:	4
Prerequisites:	Placement test, or grade of C or better in Mathematics 112, or grade of C or better in Mathematics 99, or consent of department chair.
Class Meets:	Tuesday, Thursday 12:00 PM - 1:40 PM
Class Room:	3983
Section Code:	Math 118 HJ
Instructor:	Marta Hidegkuti
e-mail:	mhidegkuti@ccc.edu
Contact Information:	At all times, email is the fastest and most efficient method to contact the instructor. If you need to contact the instructor about grades, attendance, or other administrative issues please use email. When e-mailing, please use your CCC student account.
Office:	Room 3810
Office Hours:	Monday 3:00 PM - 4:00 PM Room 3810 Tuesday 8:00 AM - 9:00 AM Room 3810 Saturday 10:00 AM - 12:00 PM (sign up!) Tutoring Center (L129) or by appointment
Mail Box:	143
Web Site:	www.martahidegkuti.com
Textbook:	A Survey of Mathematics with Applications; Allen R. Angel, Christine D. Abott, and Dennis C. Runde; Pearson Education Inc., seventh edition, 2005. ISBN: 0-321-20565-0. For a picture of the cover, see page 4.
Calculator:	The use of a scientific calculator is strongly recommended. The optional calculator is the TI-30X II S. (For a picture of the calculator, see page 5.) The price of this model is between \$15 and \$20, so do NOT purchase a different calculator if it is significantly more expensive. On quizzes and exams, students are not allowed to use a graphing calculator or a cell phone. Before purchasing a calculator, consult the instructor first. It is not true that the more expensive machine you buy, the easiest it is to use for the purpose of this course consult the instructor.
Attendance:	Attendance is an essential component of success in this course. Regular attendance is expected of all students, and attendance will be taken each class period. Students are expected to be on time and to attend the entire session. Students who miss 2 out of the first 3 classes will be automatically dropped. Students who miss 4 classes in a row before the midterm exam will be automatically dropped. If you arrive after attendance has been taken, check at the end of class that your attendance record has been corrected. In order to be recorded as "present" on the attendance record, students must be present during the entire class period. The instructor hands out corrected work at the beginning of class. If you arrive late to class, please wait until the class ends to ask for your work. If you are absent, you are responsible for all work, assignments, and new material covered in class that day.

Midterm Grades: If the Midterm (same as Exam 3) is below 70%, a D or F will be given as midterm grade. If the midterm exam is at least 70%, the midterm grade will be the weighted average of the six grades shown below with their weights.

1. Homework assignments - 15%
2. Quizzes - 15%
3. Exam 1 - 20%
4. Exam 2 - 25%
5. Exam 3 (Midterm Exam) - 25%
6. Extra Credit Assignment - 5%

Final Grades: Before computing the average quiz score, the lowest quiz score will be dropped. If the Final Exam (same as Exam 6) is below 70%, a D or F will be given as final grade. If the final exam is at least 70%, then the final grade will be the weighted average of the nine grades shown below with their weights.

1. Homework assignments - 10%
2. Quizzes - 10%
3. Exam 1 - 10%
4. Exam 2 - 10%
5. Exam 3 (Midterm Exam) - 15%
6. Exam 4 - 15%
7. Exam 5 - 10%
8. Exam 6 (Final Exam) - 20%
9. Extra Credit Assignment - 5%

Homework: Before computing the average quiz score, the two lowest quiz scores will be dropped. **Homework is the most essential part of the learning process; do not expect to do well in this course without keeping up with the homework.** There will be a homework assignment due at almost every session. Homework is expected to be turned in at the beginning of class, stapled, written neatly and legibly, on graph paper. Please do not ask the instructor for a stapler. To earn a full credit, always show all work. A solution turned in without work shown will receive a maximum of 20% credit. Since the instructor is going to be grading more than one hundred papers a week write as legibly as possible and circle your final answers. Homework assignments will consist of problem sets. If the assignment to be turned in consists of more than one problem set, they should be stapled separately. Within a problem set please present the problems in the order they were assigned.

Late Homework: It is essential that students keep up with the homework assignments. A late homework assignment may be turned in for 50% credit if it is at most one week late. **An assignment late by more than one week will receive no credit.**

Grading Scale: The grading of all assignments, quizzes, and exams will be based on the following scale.

90-100	A
80-89	B
70-79	C
60-69	D
0-59	F

Make Up Policy: Without exception, **there will be no making up quizzes.** To make up an exam, the student has to notify the instructor in advance. Makeup exams will be different from the regular exams, and can not be taken during lecture. For the official make up policy of Truman College, see page.6.

Important Dates:

- First day of class : Tuesday, January 16
- Exam 1 : Thursday, February 1
- Exam 2 : Thursday , February 15
- Exam 3 (Midterm Exam): Thursday, March 8
- Exam 4: Thursday, April 12
- Last day to withdraw from classes: April 16, Monday
- Exam 6 (Final Exam): Tuesday, May 8
- End of Semester: Saturday, May 12

Exam 5: Exam 5 will be a take-home exam. The assignment will be available on March 22, Thursday and will be due at the beginning of class on April 10, Tuesday. Without exception, Exam 5, turned in late will receive no credit.

General: It is your responsibility to be here during scheduled class time. Chronic tardiness is very distracting. Please make every effort to be on time for class. Before arriving to class, please turn off all pagers, cell phones, or other loud devices. Please refrain from talking while the instructor is lecturing. If you need an extensive review (for example, due to absence) of material presented in class, please see the instructor during office hours. Valuable class time can not be spent on assisting one or a few students to the detriment of the entire class. Office hours are designated to address these problems.

Office Hours: Arrive to office hours prepared. If you have missed a class, be sure to read the class lecture material covered that day in the textbook. (Although you are probably much better off with a photocopy of class notes from a neat classmate.) Have a list of specific questions. During lectures you should have graph paper, a calculator, a print out of all handouts, and previous lecture notes.

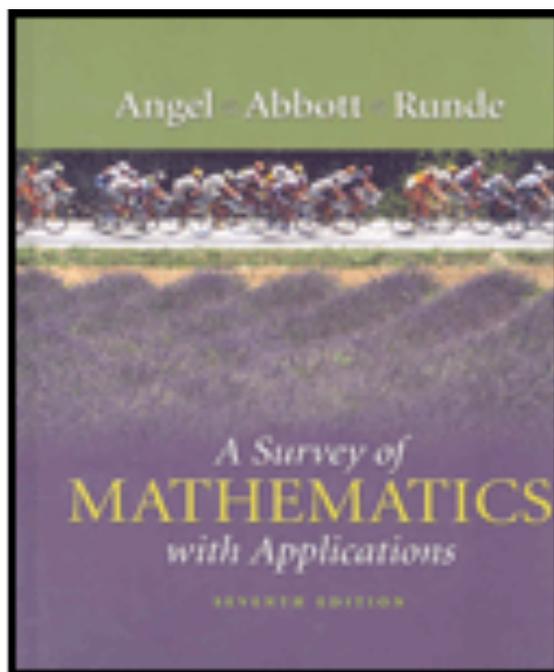
The instructor's office is not a library where you can 'hang out' and study. Please arrive to the office hour with specific questions. Once these questions are answered, please leave so that the instructor can help other students.

Academic Integrity: Any incident of academic dishonesty may result in actions from assigning a grade of F for the entire course to expulsion from the college. For further information, please refer to the Student Handbook.

Math 118 - General Education Mathematics - Spring 2007

Textbook Information

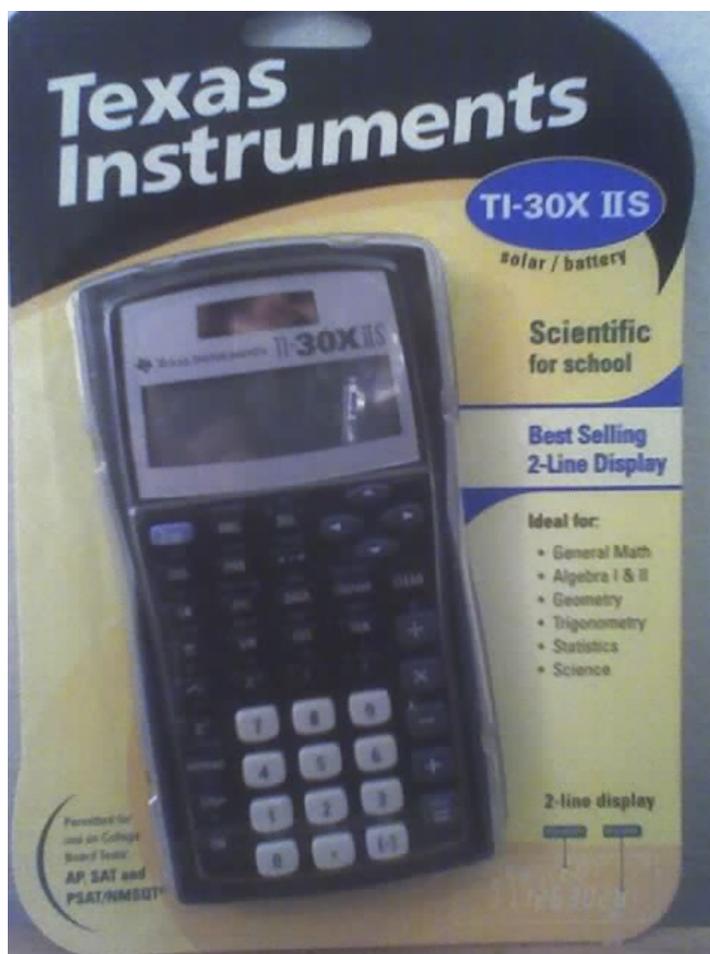
Title: A Survey of Mathematics with Applications
Author: Allen R. Angel, Christine D. Abott, Dennis C. Runde
Publisher: Pearson Education Inc.
Edition: 7th edition, 2005
ISBN: 0-321-20565-0
Textbook cover:



Calculator Information

Math 118 - Spring 2007

- Is a calculator allowed during classes, quizzes, and exams?
Yes. However, **cell phones used as a calculator or graphing calculators are NOT allowed on quizzes and exams.**
- So if I have a graphing calculator, I may not use it during classes?
Yes. Only on quizzes and exams it is not allowed.
- Is a calculator mandatory?
No, but a scientific calculator is strongly recommended. The best choice is TI-30X II S, shown on the picture below. This model is about \$20 and very user friendly. Many much more expensive calculators are more difficult to use.



MAKE – UP POLICY
Department of Mathematics
Harry S Truman College

Unless specific modifications are given by the professor, the following policy for making up missed work will apply in all courses taught through the Department of mathematics at Harry S Truman College.

It is the student's responsibility to contact his/her instructor regarding missed work. Permission to make-up work is subject to the discretion of the instructor.

If an absence is anticipated, the student should make arrangements with his/her instructor prior to the absence. For unforeseen absences, it is the student's responsibility to contact the instructor within one week of the exam or project due date.

In either case, written documentation may be requested to make up an exam/project.

Scheduling of make-up work is at the discretion of the instructor.

Any modification to this policy which is made by your own instructor, will supercede this statement.

Adopted, 4/4/2000

Calendar of Events Math 118 HJ – Spring 2007

	Tuesday	Thursday
Week 1	January 16 th – Class 1	January 18 th – Class 2
Week 2	January 23 rd – Class 3	January 25 th – Class 4 Quiz 1
Week 3	January 30 th – Class 5	February 1 st – Class 6 Exam 1
Week 4	February 6 th – Class 7	February 8 th – Class 8 - Quiz 2
Week 5	February 13 th – Class 9	February 15 th – Class 10 – Exam 2
Week 6	February 20 th – Class 11	February 22 nd – Class 12
Week 7	February 27 th – Class 13	March 1 st – Class 14 - Quiz 3
Week 8	March 6 th – Class 15	March 8 th – Class 16 - Exam 3 (same as Midterm Exam)
Week 9	March 13 th – Class 17	March 15 th – Class 18 - Quiz 4
Week 10	March 20 th – Class 19	March 22 nd – Class 20 - Quiz 5
Week 11	March 27 th – Class 21	March 29 th – Class 22 - Quiz 6
Spring Break		
Week 12	April 10 th – Class 23	April 12 th – Class 24 - Exam 4
Week 13	April 17 th – Class 25	April 19 th – Class 26
Week 14	April 24 th – Class 27	April 26 th – Class 28 - Quiz 7
Week 15	May 1 st – Class 29	May 3 rd – Class 30 - Quiz 8
Week 16	May 8 th – Class 31 Exam 6 – Final Exam	May 10 th – Class 32

Math 118 - Course Outline - Spring 2007

Note: The order of topics presented is subject to change .

Week	Class	Lecture Topics	Assessment	Assignment
Week 1	Class 1	Introduction Set Concepts 2.1 Subsets 2.2		Problem Set 1
	Class 2	Points, Lines, and Angles 9.1 Polygons 9.2		Problem Sets 2, 3
Week 2	Class 3			
	Class 4	Venn Diagrams and Set Operations 2.3	Quiz 1	Problem Set 4
Week 3	Class 4	Review for Exam 1		
	Class 5		Exam 1	
Week 4	Class 6	Venn Diagrams with Three Sets 2.4 Applications of Sets 2.5 Permutations 12.8		Problem Set 5
	Class 7	Perimeter and Area 9.3 Percent 11.1	Quiz 2	Problem Sets 6, 7
Week 5	Class 8	Simple Interest 11.2 Review for Exam 2		
	Class 9		Exam 2	
Week 6	Class 10	Volume 9.4		Problem Set 8
	Class 11	Compound Interest 11.3	Quiz 3	Problem Sets 9, 10
Week 7	Class 12	Tree Diagrams 12.5 Counting Principles 12.8		Problem Set 11
	Class 13	Combinations 12.9	Quiz 4	Problem Sets 12, 13
Week 8	Class 14	Review for Exam 3		
	Class 15		Exam 3	
Week 9	Class 16	The Nature of Probability 12.1 Theoretical Probability 12.2		Problem Set 14
	Class 17	Installment Buying 11.4	Quiz 5	Problem Sets 15, 16
Week 10	Class 18	Odds 12.3 Expected Value 12.4		Problem Set 17
	Class 19	Mortgage 11.5	Quiz 6	Problem Sets 18, 19
Week 11	Class 20	<i>Or</i> and <i>And</i> Problems 12.6 Probability with Permutations, Combinations 12.10		Problem Set 20
	Class 21	Infinite Sets 2.6	Quiz 7	Problem Sets 21, 22
Week 12	Class 22	Review for Exam 4		
	Class 23		Exam 4	Exam 5 due
Week 13	Class 24	Binomial Probability 12.11 Sampling Techniques 13.1		Problem Set 23
	Class 25	The Misuses of Statistics 13.2	Quiz 8	Problem Sets 24, 25
Week 14	Class 26	Frequency Distributions 13.3 Statistical Graphs 13.4		Problem Set 26
	Class 27	Measures of Central Tendency 13.5 Measures of Dispersion 13.6	Quiz 9	Problem Sets 27, 28
Week 15	Class 28	The Normal Curve 13.7 Linear Correlation and Regressions 3.8		Problem Set 29
	Class 29	Final Review	Quiz 10	
Week 16	Class 30	Final Review		
	Class 31		Exam 6	