

Math 110 – Finite Mathematics

Department of Mathematical Sciences

Fall 2010

READ THIS SYLLABUS CAREFULLY. YOU ARE RESPONSIBLE FOR KNOWING THIS INFORMATION!

Prerequisite: Math 101, C- or higher, or Placement Exam

Course Description: Topics to include linear equations, linear programming, matrix algebra, graph theory, and those chosen from logic, set theory, counting techniques, probability theory, and Markov chains. Emphasis is placed on the construction of mathematical models and their applications. Can be used to meet requirements of a major or minor in mathematics only for students seeking elementary, early childhood or middle level certification. Not recommended for use in meeting certification requirements for secondary school mathematics.

Instructor: Justice-Taylor Baker

Email: jtb27@comcast.net (preferred) or bakerjut@ccsu.edu

Web Page: <http://home.comcast.net/~jtb27>

Office: MS 211/219 (whichever is less crowded)

Office Hours: Monday & Wednesday: 3:30 – 5:00 pm
(or by appointment)

Textbook: Finite Mathematics & Its Applications, 10th Edition, by Larry Goldstein, David Schneider and Martha Siegel, Pearson Education, Inc.

Class Meeting Times: Mondays & Wednesdays 5:15-6:30pm, MS 313

Course Requirements: Attend and participate in class regularly; complete group assignments; take quizzes and tests, as scheduled. A general rule for any college course is that you are expected to put in at least 2 hours of work outside of class for every hour in class.

In-Class Group Work: Over the course of the semester, you will be responsible for completing a series of in-class group projects, which will be handed in and graded. The grade will be based on level of participation and overall completeness. The dates for these projects will not be announced beforehand. Group projects may be handed in late, only if arrangements are made with the instructor prior to that class.

Final Project: A final project will be collected and graded near the end of the semester. Details will be given in class.

Calculator Use: Students are required to have, and are expected to be familiar with the use of graphing calculators. Please note that there will be times on both exams and quizzes where the use of calculators will be prohibited. Therefore, read all directions carefully, and if you have any questions, ask the instructor.

Cell phones and other communication devices: Cell phones, laptops, MP3's, PDA's, or any form of personal electronic or communication devices, are not to be used during class, exams, or quizzes unless special accommodations are necessary.

Evaluation: Minimum averages have been established for each of these grades: A 93% A– 90% B+ 87% B 83% B– 80% C+ 77% C 73% C– 70% D+ 67% D 63% D– 60%. The average for the course will be based on the following weights:

<i>In-class exams (3 total)</i>	<i>20% each</i>
<i>Group Work</i>	<i>10%</i>
<i>Presentation</i>	<i>5%</i>
<i>Final Exam</i>	<i>25%</i>

University Policies:

1. You must take the final examination at the time specified in the course selection book.
2. Please contact me privately to discuss your specific needs if you believe you need course accommodations based on the impact of a disability, medical condition, or if you have emergency medical information to share. I will need a copy of the accommodation letter from Student Disability Services in order to arrange your class accommodations. Contact Student Disability Services, room 241, Copernicus Hall if you are not already registered with them. Student Disability Services maintains the confidential documentation of your disability and assists you in coordinating reasonable accommodations with your faculty.
3. In the event of a weather emergency which requires curtailment or cancellation of classes, listen to WTIC (1080 AM) or call (860) 832-3333 for the "general snow message."
4. The last day to withdraw from a course is October 25th. Approvals for withdrawal are not required; however, it is strongly recommended that students consult with their academic advisors prior to deciding to withdraw. Cessation of attendance, notice to the instructor, or telephone calls to the Enrollment Center are not considered official notice of a student's intention to drop the course. After October 25th withdrawals are allowed only under extenuating circumstances and require approval of the course instructor, department chair and dean of the School of Arts and Sciences. Poor academic performance is not considered an extenuating circumstance.
5. You are responsible for understanding and abiding by the University's policy on academic integrity. Information on the policy may be found at <http://www.ccsu.edu/AcademicIntegrity/>. This policy is rigorously enforced by the Department of Mathematical Sciences.

Resources Available:

1. If you need help, take advantage of your instructor's office hours. Do not wait until just before the first test to do so.
2. The Learning Center is located in Rooms 241 and 242, Copernicus. Free tutoring is available. A schedule for hours the Center is open will be posted soon after the beginning of the semester.
3. Form a study group with other students in your section. Explaining solutions to homework problems to each other is a good way to learn.
4. A list of private tutors for hire is available in the math department office, Room 107 Marcus White, 832-2835.

Schedule of Important Dates

In-Class Exam #1 – September 20th

In-Class Exam #2 – October 18th

In-Class Exam #3 – November 15th

Final Exam – TBA

Assignment Sheet:

The best way to learn (and actually understand) mathematics is to complete as many problems as possible. Below are selected problems from each of the sections, broken up into units (which should correspond to each of your in-class exams and the final. As of now, these problems will not be collected. Nonetheless, you are strongly encouraged to complete the problems as we go through the sections in class. I reserve the right to change this homework policy (i.e. begin collecting and evaluating homework) should I judge it necessary. If such a change is required, an announcement will be made in class, on the webpage, and by email. Please feel free to contact me with any questions you may have about individual problems or with the homework policy in general.

Section	Page	Problems
1.1	7	11, 13, 21, 23, 27, 31, 35, 41
1.2	16	5, 7, 9, 11, 15, 17, 19, 27, 29, 31, 45-48
1.3	22	1, 3, 7, 11, 13, 15, 29
1.4	30	1, 3, 5, 15, 17, 19, 23, 25, 39-45 odd, 64
2.1	60	1-8, 13-16, 23-27 odd
2.2	69	1-21 odd, 26-30
2.3	81	1-10, 11, 13, 25, 27, 33, 35-41 odd
2.4	94	15-18, 25
2.5	101	1-9 odd, 13, 17
3.1	121	5, 7, 9
3.2	130	5, 7, 9, 11, 13, 15, 17, 31, 33
3.3	143	21, 23, 25, 27
4.1	159	1-14
4.2	169	5, 7, 15-23 odd
4.3	178	1-13 odd
4.4	187	1-6