

MONTGOMERY COLLEGE - ROCKVILLE
Department of Mathematics
SPRING 2011

MATH 110: FINITE MATHEMATICS

CRN 30165: TR 9:30 – 10:45 AM & CRN 30166: TR 11:00 – 12:15 PM Room209 SE

INSTRUCTOR INFORMATION:

NAME: Dr. Brunett
OFFICE: 213 E SE
PHONE: (240) 567 – 4024
EMAIL: maria.brunett@montgomerycollege.edu

OFFICE HOURS:

MWF: 12 – 12:30 PM; TU 12:30 – 1:30 PM; TH 9 – 9:30 AM.

You are welcome to visit my office during posted office hours without an appointment. In consideration of your and my valuable time, have your questions and materials organized prior to your office visit. If you have been working on a problem, bring your work so that I can see how to best help you. **Note: Office hours are not to be used as a make-up class.** You are welcome to ask quick questions in the classroom before class start time or immediately after class. However, please be aware that I may not always be available at these times. My office hours are the only times specifically reserved for student questions.

WEBPAGE: <http://www.montgomerycollege.edu/~mbrunett>

MY GOAL is for all of us to have a successful semester. I love mathematics, and I will help you understand the material as much as possible. However, I am very firm regarding my policies. Please do not ask for exceptions.

COURSE INFORMATION: Outcomes: See webpage.

Description: A general college mathematics course whose topics include linear equations, matrix algebra, linear programming, probability, Markov chains, and mathematics of finance. The applications are primarily from business, economics, and the life sciences. Emphasis is on developing, analyzing, and interpreting mathematical models.

PREREQUISITE: A grade of C or better in MA 100, MA 101, MA 103, appropriate score on mathematics

assessment test, or consent of department. Assessment levels: EN 101/101A, RD 120. Three hours each week.

COURSE MATERIALS:

TEXTBOOK: **Finite Mathematics for Business, Economics, Life Sciences, and Social Sciences**,

Custom Edition for Montgomery College, Rockville; Barnett, Ziegler, and Byleen: Pearson Hall.

Finite Mathematics for Business, Economics, Life Sciences, and Social Sciences, 11th edition; Barnett, Ziegler, and Byleen: Pearson Hall, 2008.

Solution manual(s) at the option of the student.

CALCULATOR: The Texas Instrument model TI-83 Plus, 84, or 84 Plus is required.

NOTEBOOK: You may want to have a three ring binder for printouts.

COMPUTER & INTERNET ACCESS: You are responsible for printing all handouts for this course from my web page: <http://www.montgomerycollege.edu/~mbrunett/>. There are four major links within my MA 181 web page: Class outlines, worksheets, take-home assignments, and test reviews. You must visit all of these links and print materials for class. You will have to print the class outlines AND worksheets for each class meeting. You are also responsible for printing any take-home assignments, calculator handouts, and test reviews.

MATH XL (OPTIONAL online assignments): If you choose to use MATHXL you will need to purchase the MathXL student access kit to access this course at www.mathxl.com.

Calculator Policy: Students are required to have graphing calculators, and are encouraged to make use of them in class, when doing homework and normally when taking tests. On occasion instructors may request that a student complete certain tasks without a calculator.

COURSE REQUIREMENTS & STUDENT RESPONSIBILITIES:

- ✓ **Prepare for class.** Review the section in the text that will be covered in class. Attempt the example problems that are worked out in the text. Make notes about what you need to have clarified so you can ask questions during the lecture on that section.
- ✓ **Print materials.** You must have the outline and worksheet for each section.
- ✓ **Arrive to class on time.** If this is impossible, please enter class as quietly as possible. If you will be frequently late, you should switch to another section of this course to which you can arrive on time.
- ✓ **Have all materials out of your day pack and ready to use.** This includes textbook, notebook, paper, pencil, eraser, calculator, printed class note outlines, printed worksheets, reading notes, completed homework assignment, and a list of homework questions. To request solutions for homework problems, write the section and problem numbers on the side board before class.
- ✓ **Stay for the entire class.** You are expected to stay for the entire class period. Do not ask to be given a quiz, worksheet, or information ahead of schedule so that you can leave class early. If you can not commit to staying for the entire class period, you should register for another class.
- ✓ **Missed Classes:** If you miss a class, you are personally responsible for the material covered. You cover the material on your own by reading the text, working the assigned problems, and completing any class note outlines, worksheets, and homework assignments (you can find these on the web page). **My office hours are not to be used as a make-up class. If you can't complete the class outlines and worksheets on your own, you will need to get help with the problems listed in the Math/Science Center or a private tutor.**
- ✓ **Mastering the material:** Even if you attend every class, complete all the worksheets, do all the homework, and ask questions in class, you may find that you do not understand the material thoroughly enough to do well on exams. You are responsible for realizing this and seeking help in the Math Science Center and/or my office.
- ✓ **Remember you are responsible for your success in this course.**

READING ASSIGNMENTS: You are expected to review the section that will be covered prior to the class meeting. You should review to the extent that you have a general idea of the topic of the section. You should also have tried to work through a couple of the examples presented in the text. You may be provided with a reading guide to follow while reviewing the section.

HOMEWORK: Completing homework is essential to success in a mathematics course. Attempt all of the problems in the assignment. If you have a question about a difficult homework problem, write the section and problem number on the **SIDE** board before class. Homework will be easier to do if you read and work through the text examples before the class presentation on that section. A limited amount of class time will be allotted for answering homework questions.

WORKSHEETS: Working problems in class is an important component in learning mathematics. A worksheet will be prepared and posted for most sections from the text. To encourage student participation, the worksheets will be collected on occasion. The worksheet scores will be averaged in with the quiz scores.

QUIZZES: Brief quizzes will be given most weeks during the semester. The quiz dates are listed on the outline. Topics to be covered on the quizzes will be announced in class and posted on my web page.

TAKE-HOME QUIZZES: There may be several take-home quizzes during the semester.

- (1) All take-home quizzes are to be completed by the due date.
- (2) Take-home quizzes must be placed on the table in the front of the classroom before class.
- (3) You will not be allowed to work on a take-home quiz during class.
- (4) The paper and work must be neat. Messy papers will not be graded.
- (5) Answers without justification, explanation, or work shown will not receive credit.
- (6) No late papers will be accepted.

TESTS: There will be (3) semester tests in addition to the final exam. The entire class period will be used to take exams. Tentative dates are: **Thurs. Feb. 24th, Thurs. Mar. 31st, and Thurs. Apr. 28th.** When you complete the test, hand it to me personally. You may leave the room at this time. The only questions permitted during an exam are in reference to a misprint, omission, or illegible text. You are responsible for being prepared for the exam. Do not ask me how to do the problem, ask for a hint about how to do the problem, or ask whether or not your answer is correct. Please do not share your misery of being absent for a particular topic, that you forgot how to do the problem, or that you do not have enough time. You will not have the time to figure out problems on exam day. You are to come prepared, polished, and ready to complete the exam. You must turn in your test paper when time is called. I will give a warning before collecting exams. If you do not hand in your paper at collection time; I will not accept it later. It is your responsibility to keep track of time during the exam.

GRADING POLICY AND CRITERIA:

Your final grade will be determined according to the following distribution:

	GRADE SCALE
30 % QUIZZES (including take-home quizzes & worksheets)	A: 90 – 100%
40 % TESTS	B: 80 – 89%
30 % FINAL EXAM	C: 70 – 79%
	D: 60 – 69%

MAKE-UP POLICIES:

MISSED CLASSES: If you miss a class, you are personally responsible for the material covered. You must check the web page for missed handouts, read the text, complete class note outlines on your own, work the homework problems, and complete worksheets. Do not call or email me to find out what you missed in class. You must check my web page. **My office hours are not to be used as a make-up class.**

QUIZZES: If you know that you will be absent on the day of a quiz, it may be possible to make arrangements with me to take the quiz on an earlier day. This alternative is not automatic!! Each case will be considered individually. You should notify me as soon as possible regarding planned absences.

TAKE-HOME QUIZZES: If you know that you will be absent on the due date of take-home quiz, you may hand in the quiz before the due date. Papers will not be accepted after the due date.

In anticipation of a reasonable number of unexpected absences, your lowest two scores will be dropped before computing your quiz average.

TESTS: If you know that you will be absent on the day of a test, it may be possible to make arrangements with me to take the test on an earlier day. This alternative is not automatic!! Each case will be considered individually. You should notify me as soon as possible regarding planned absences. There are no make-up exams provided for unexpected absences. If you miss an exam for an unexpected absence, the average that you earn on the final will make-up the score for your missed exam. There are no exceptions – do not ask!!

ATTENDANCE POLICY:

Students with excessive absences will be dropped from the course. If you miss more than two classes, especially if they are consecutive, you should contact me via email with an explanation and your intentions toward remaining in the course. If you miss more than two classes, without contacting me, you may be dropped from the course without further notice.

IMPORTANT DATES:

Last day to drop with refund: January 31st

Last day to drop with no grade recorded: February 14th

Last day to drop with grade of W: April 18th

College Holidays for students: March 14th – 18th

Last day of class: May 5th

Final exam: May 12th

FINAL EXAM:

The final exam will be **Thursday, May 12, 9:30 class 8 – 10 AM AND 11:30 CLASS 10:15 AM – 12:15 PM**. The final exam is mandatory and counts for at least 30% of your final grade. It will also replace your lowest test score if your final exam percentage is greater than that test percentage. Everyone must take the final exam. It will count for 30% of your final grade regardless of whether it is used to replace your lowest previous test score.

E-MAIL COMMUNICATION STATEMENT:

MC student e-mail is an official means of communication for Montgomery College. Students are responsible for information and announcements sent via MC e-mail, and it is expected that students check their student e-mail regularly. When e-mailing an instructor, it is expected that students use their MC student e-mail account. For this class, student e-mail will be used frequently. If I should happen to miss giving an announcement in class, I will email the announcement. You should check your email before each class. Email will be used for reminders, announcements, or special updates. If you contact me through e-mail, you must use your student e-mail account (rather than a personal account) so that I can recognize you as a student. If your email address does not contain your full last name, you must include your full last name in the body of the email. I will check my email daily during the hours I am on campus.

MATH/SCIENCE CENTER: Room 02 Macklin Tower (301) - 279 – 5200

9:00 AM – 7:00 PM Monday; 8:00 AM – 8:00 PM Tuesday – Thursday 8:00 AM – 4:00 PM Friday & 10:00 AM – 3:00 PM Saturday. Tutors are available in the Math Science Center 9 AM – 3 PM Mon-Fri, 5 – 7 PM Mon.-Thurs., 10 AM – 3 PM Sat. to help with homework questions. This service is provided without charge. <http://www.montgomerycollege.edu/Departments/mathscrv/>

Accommodations for Students with Disabilities Statement:

Any student who may need assistance in the event of an emergency evacuation must identify to the Disability Support Services Office; guidelines for emergency evacuations for individuals with disabilities are found at: www.montgomerycollege.edu/dss/evacprocedures.htm Any student who may need an accommodation due to a disability, please make an appointment to see me during my office hour. A letter from Disability Support Services (CB122; 240-567-5058) authorizing your accommodations will be needed. **DO NOT JUST HAND ME A LETTER IN CLASS!!! YOU MUST DISCUSS THE LETTER WITH ME IN MY OFFICE!!!** Students whose accommodation letter allows double time for exams *must be able to take their exams in the assessment center and finish within ninety minutes of the usual class ending time. If you know that you will not be able to do so, you can take your exam the day before the exam date. Otherwise you need to find another class that will better accommodate your schedule. DSS students may not request to take an exam at a later time or date than the normal class period.*

Academic Regulations & Student Code of Conduct:

All MC students are expected to follow "Academic Regulations" & "Student Code of Conduct" as described in the MC Student Handbook. These regulations and guidelines can be found at: www.montgomerycollege.edu/departments/academicvp/Student_PandP.htm

MY HONOR POLICY:

- (1) Be prepared to move to a designated seat if requested.
- (2) You are not to leave the room without permission.
- (3) You must not look anywhere in the room other than at your own test paper.
- (4) You may not use or even touch a cell phone. Remember your cell phone is to be silenced in class.
- (5) You may not speak to another student.
- (6) You may not share materials with another student.
- (7) Have all your materials ready. You may not retrieve items from your backpack etc.

Failure to observe all of the policies will result in a zero score for the test or quiz.

MY CLASSROOM BEHAVIOR POLICY: Your consideration of other students is expected in this class. Courtesy to your instructor and fellow students helps create an atmosphere where successful learning can take place. Every student is expected to behave in ways that promote a productive teaching and learning atmosphere. Following are some guidelines:

- (1) Arrive on time to class.
- (2) Have your questions ready and your attention on class.
- (3) Do not blurt out questions in class. Students should not interrupt someone else who is talking regardless of whether the person is the instructor or another student.
- (4) Do not talk with other students during the lecture. After the lecture presentation, we will work problems in class. At that time you can discuss problems with your classmates.
- (5) Students should not monopolize class time by repeatedly interrupting and asking questions in a manner that hinders the learning process of others.
- (6) Plan on staying for the full class period.
- (7) Silence cell phones and pagers.
- (8) No gum or meals during class. Bite size snacks and drinks are fine.
- (9) No food or gum during exams and quizzes.

Inclement Weather: If inclement weather forces the College or any campus or College facility to suspend classes or close, public service announcements will be provided to local radio and television stations as early as possible. You may call MC at 240-567-5000, check the college website www.montgomerycollege.edu to verify MC school closings, or sign up for Montgomery College ALERT! at www.montgomerycollege.edu/emergency. Any exams planned on days classes are suspended will be administered at the first class meeting once classes resume. Note that the Montgomery County Public Schools (MCPS) and Montgomery College do not follow the same school closing procedures. Make safety your first concern. At the same time, you are expected to make your best effort to come to class unless the college is officially closed.

Armed Forces Veterans: If you are a veteran or on active or reserve status and you are interested in information regarding opportunities, programs and/or services, please visit the Combat2College website www.montgomerycollege.edu/combat2college/ and/or contact Joanna Starling at 240-567-7103/SV103 or Joanna.starling@montgomerycollege.edu