UAB Department of Mathematics
SYLLABUS (Spring 2011)
Mon class/Wed lab

MA 110 – Finite Mathematics

Semester: Spring 2011  Section: MA 110-38  Course ID: bond70207  UAB zip code: 35294

Instructor: William Bond  Instructor e-mail: bond@math.uab.edu  phone: 934-2154

Instructor office hours: Tuesday and Thursday 3:00-4:00 or by appointment

NOTE: All instructor office hours are conducted in the UAB Math Learning Laboratory (MLL), HHB 202 (Heritage Hall).

Class meeting times:
Class Meeting Time/Location: Monday 5:30/ CH445
Lab Meeting Time/Location: Wednesday 5:30/ HH202

Attendance policy: Attendance at every class meeting and lab meeting is REQUIRED. Roll will be taken. There are 14 scheduled class meetings and 14 scheduled lab meetings. Students earn up to 15 Participation Points toward their final grade for each class meeting attended and 5 points for each lab meeting attended. To earn the Participation Points students must be in the classroom or lab at the start of the meeting and at the end of the meeting. The following rules apply:
1. Students may not sign the roll for another student. Violation of this policy will result in a grade of F for academic misconduct.
2. If you come LATE to the class/lab meeting, do not ask to sign the roll or to participate.
3. Do not sign the roll if you intend to leave the class/lab early.
4. In case of emergency, students may leave the class/lab without the instructor’s permission. Just get the instructor’s attention and leave quietly with minimal disruption to the rest of the class.
5. NO participation points can be earned if the student is absent, whether or not the absence is excused. If you are absent on official university business, you can obtain tutoring to earn the participation points. Arrangements must be made IN ADVANCE of the absence.

Prerequisite: Ma098 or see ACT Math Subscore/GPA Grid in the latest UAB Class Schedule for Math Screening Requirements.

Aims of Course: Upon successful completion of MA110, a student
• is able to compute using arithmetic and elementary algebra in a variety of problem situations;
• is able to identify the problem and translate verbal descriptions into mathematical form;
• is able to evaluate the reasonableness of quantitative assertions;
• is able to interpret and construct graphs, tables, and schematic representations of mathematical relationships;
• understands elementary probability, and is able to draw conclusions based upon probability;
• is able to select and use appropriately quantitative evidence and inferences;
• is able to communicate results of mathematical investigations in a manner appropriate to the audience;
• is persistent in attempting to solve mathematical problems.

This course is more about developing quantitative reasoning ability than acquiring any specific set of mathematical skills (algebra, arithmetic, etc.). The above learning outcomes are realized in the course in a variety of contexts, including consumer mathematics, voting theory, apportionment, counting, probability, and descriptive and inferential statistics.

Course Structure: This course is primarily computer-based. All homework assignments are on-line and can be completed either on your own computer or using one of the computers in the UAB Math Learning Lab (MLL in 202 Heritage Hall). All quizzes must be completed in the MLL (during MLL hours) anytime BEFORE the scheduled deadline. All tests are also done on the computer, but they must be taken in the MLL according to your class schedule during your lab meeting time. In order to receive credit for homework and quizzes, the work must be done on or in advance of course deadline dates. See the course schedule for the course deadline dates.

Materials: All students are required to purchase the Thinking Mathematically Package UAB, which includes a UAB Math 110 Text (softcover) and MyMathLab ACCESS CODE. The UAB Math 110 Text is a customized text that only contains the chapters that are being covered in the course.


BE sure to PURCHASE only ONE TEXT and ONE ACCESS CODE.

Getting Started: The first thing you must do is register for your on-line course materials. You cannot complete any assignments until you have registered in CourseCompass. Go to www.coursecompass.com and click the Register button for students. Follow the instructions provided in the MyMathLab handout attached to the back of this syllabus. To register, you will need the following:

1. Your blazerID@uab.edu email address. Every student at UAB is required to have an @uab.edu email address for official university and instructor communications, and for registration in this course. The Math Department standard for the required student login name is your complete email address; for example, imastudent@uab.edu. USE YOUR COMPLETE BLAZERID@UAB.EDU FOR YOUR LOGIN NAME.
2. The Course ID for this particular section of MA110. Your Course ID is bond70207.
3. A Student Access Code. This is the access code that you purchase with your text, or that you purchase as a stand-alone item. It comes inside an 8 ½ by 10 inch cardboard package labeled MyMathLab Student Access Kit. Enter in ALL CAPS.
4. The zip code for UAB. The zip code is 35294.
Math Help. Tutoring assistance is available in the Math Learning Lab (MLL) located in 202 Heritage Hall. The hours of operation are posted on the door and can also be viewed on-line at www.math.uab.edu, under Labs: Math Learning Lab Schedule. If you have any computer problems while you are in the lab, please see a tutor for assistance.

Calculator policy. Scientific calculators may be used in class and for homework and quizzes, but students may not use personal calculators during testing. Note that all tests for this course are administered in the MLL during your scheduled lab meeting times, and there is an on-screen calculator available for your use when testing. Your instructor will not assist you with the on-screen calculator during a test, so it would be to your advantage if you familiarized yourself with the use of the on-screen calculator in the Math Learning Lab BEFORE you have to take a test.

Course Grades: Students earn their grade in the course by accumulating points. There is a maximum of 1000 points available. Student letter grades are awarded as follows. Students who use Internet Explorer or Safari can go to info.math.uab.edu to review the status of their grades in the course. Note that grades are awarded by total POINTS EARNED, not by percentages.

<table>
<thead>
<tr>
<th>Grade Element</th>
<th>Points</th>
<th>Quantity</th>
<th>Total Points</th>
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</thead>
<tbody>
<tr>
<td>Homework</td>
<td>5</td>
<td>14</td>
<td>70</td>
</tr>
<tr>
<td>Participation Pts</td>
<td>15</td>
<td>14</td>
<td>210</td>
</tr>
<tr>
<td>Quizzes</td>
<td>5</td>
<td>14</td>
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</tr>
<tr>
<td>Lab attendance</td>
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<tr>
<td>Tests</td>
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<td>580</td>
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<tr>
<td>Total points</td>
<td></td>
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<td>1000</td>
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<table>
<thead>
<tr>
<th>Points Earned</th>
<th>Course Grade</th>
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<tbody>
<tr>
<td>880-1000</td>
<td>A</td>
</tr>
<tr>
<td>750-879</td>
<td>B</td>
</tr>
<tr>
<td>620-749</td>
<td>C</td>
</tr>
<tr>
<td>500-619</td>
<td>D</td>
</tr>
<tr>
<td>Below 500</td>
<td>F</td>
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</table>

Homework: There are 14 homework assignments. For each assignment you can earn up to 5 points, based on your homework score. An unlimited number of attempts can be made on each homework problem. **You can go in and out of the homework as many times as you like before the deadline (all of your work is automatically saved).** You earn points for homework completed on or before the due date. After the due date, you can review homework assignments and work similar exercises, but you cannot change your score.

Class Meetings: There are 14 class meetings. For each class meeting that you attend, you can earn up to 15 Participation Points. Class meeting format is **group work.** An individual written report on the group work is completed by each student prior to the end of class and turned in for evaluation. Rules and standards for group work, report evaluation, and awarding of participation points will be
addressed at the first class meeting. NO PARTICIPATION POINTS are awarded for LATE ARRIVALS or ABSENCES (excused or unexcused).

**MLL Attendance:** There are 14 lab meetings. For each lab meeting that you attend, you will earn 5 points. **Points are earned if you are ON TIME and if you stay in the lab for the entire meeting. No points are awarded for an absence (excused or unexcused).**

Students can work on their homework, take quizzes, obtain tutoring assistance, and listen to course video lectures in the MLL. (To watch and listen to computer video lectures, students can bring their own headsets or can check out a headset from the MLL.)

**When you come into the MLL, you must log on to the course homework system.**
To log on, click on the appropriate course box.
Then you will be prompted to enter your BlazerID and password.

**Quizzes:** There are 14 quizzes. Each quiz is worth 5 points. You take the quizzes on your own schedule, but you can only earn the quiz points if the quiz is taken on or before the due date. **Quizzes must be taken in the Math Learning Lab** (any time during the scheduled hours of operation). You must complete the quiz by yourself. **You may not obtain assistance from a fellow student or from a tutor,** but you may use your textbook and notes for quizzes. The quizzes are timed. Once you begin a quiz you have 30 minutes to complete it. You cannot exit the quiz or that will count as one of your attempts.

Each quiz can be taken a maximum of two times. The higher grade attained will count.

All quizzes require a **password,** and the passwords are available in the MLL at the front desk.

**Tests:** There are four major tests to be taken. Tests will be taken in 202 Heritage Hall during scheduled computer laboratory class meeting times. The tests are timed and are 50 minutes long. **Students are required to keep a government issued photo ID on their desks during testing (UAB student ID, driver’s license, etc).**

**Make-up policy:** NO MAKE-UPS are allowed. There is no appeal for missed participation points, lab attendance points, homework deadlines or quiz dates. If a major test deadline** is missed due to a **serious verifiable** circumstance, the student may submit an Appeal Form (available in the Math Department Office in Campbell Hall) to the Math Department Appeals Committee. The completed Appeal Form, along with supporting documentation attached, may be submitted to Room 452 of Campbell Hall. The Appeal Form with supporting documents attached must be received no later than one week after the missed deadline. The appeal will be reviewed by the Director, the course instructor, the course coordinator, and the Supervisor of the MLL. The student will receive a prompt reply as to the adjudication of the appeal but should continue working in the course.

**Students will have two opportunities to take each test. The appeal process only applies if a student misses both test dates for a particular test.**
Course Completion: The course is complete once the student takes Test 4. No other points may be earned after test 4 has been taken. **You must take Test 4 to complete the course.**

Cell Phones. Student cell phones must be **turned off and put away** during all class meetings. In the Math Learning Lab, cell phones must be turned to vibrate mode (or silenced during testing).

Notebook. Students are required to have a notebook in which they can record class meeting notes, file this syllabus, file instructor e-mail messages, and file other course related information.

Disability Support Services (DSS). DSS offers tutoring and special accommodations to students who qualify. The UAB DSS office is located on the fifth floor of the Hill University Center, telephone: 934-4205, e-mail: dss@uab.edu. Students who have a DSS-approved accommodation for extended test times will take quizzes and tests that have a longer time duration. See your instructor for further information.


Withdrawal: The last day for withdrawing from this course without the payment of full tuition and fees is January 11, 2011. The last day to withdraw from this course with a grade of **W** is March 24, 2011. Students withdraw from a course by completing the appropriate paperwork in the UAB Registrar’s Office in the Hill University Center. The signature of the instructor is not required.

Education Technology Services (ETS). ETS is another lab on campus that has the MyMathLab software installed. Students may do homework or **review their work** on the computers in ETS when the MLL is closed. Please note that tutors are not available and quizzes may not be taken at ETS. The ETS hours of operation can be found at [www.mhs1.uab.edu/ets/](http://www.mhs1.uab.edu/ets/).

Registering for a Course in Coursecompass

I.  Go to [www.coursecompass.com](http://www.coursecompass.com).
II. Click on **Register** under Students
III. Choose one of the following:
    o  Get access to a new course
    o  Continue a course, re-take a course, or switch to a different course section.
IV. Next
V.  Enter your **CourseID** and click Find Course
VI. Choose one of the following
    o  Access Code
    o  Buy Now
VII. Follow the directions to complete your registration.
VIII. **You must use the following:**
    A. Login Name must be BlazerID@uab.edu
    B. UAB’s zip code is **35294**.
IX. Questions? Ask your instructor or someone in the MLL.
UAB Department of Mathematics
SYLLABUS

**IMPORTANT FACTS ABOUT MA110**

When you create your account on CourseCompass you must use your BlazerID followed by @uab.edu as your LOGIN name.
Example: If your BlazerID is goblazers use goblazers@uab.edu

Class Meeting Structure:
Class meetings will usually be held on Monday at 5:30 in CH445.
Lab meetings will usually be held on Wednesday at 5:30 in 202 Heritage Hall.
See Course Schedule for dates/times.

Ma110 is a 3-hour course, with 1 lab hour required for each class meeting.
The lab hour is scheduled and led by your instructor in the MLL (202 Heritage Hall).

Tests will be taken under the supervision of the course instructor
during the scheduled lab meeting times in 202 Heritage Hall.
Tests are limited to 50 minutes.
On test days, you must bring a UAB photo ID, driver's license, or gov't-issued ID.
Quizzes must be taken in the MLL. They are limited to 30 minutes.
Homework can be done in the MLL or at home.

Students receive PARTICIPATION POINTS when they attend a COMPLETE class or lab meeting
(arriving ON TIME and staying until the end of class or lab).
NO Participation Points are awarded for an absence (excused or unexcused).

There are no make-ups for missed deadlines for homework and quizzes.
This is because the work should be done IN ADVANCE of the deadline dates.

Students are REQUIRED to check their blazerID@uab.edu email address
for official course communications.

You must take Test 4 to complete the course with a passing grade
(even if you have 620 points prior to taking Test 4).
DEADLINE DATES

Work should be completed BEFORE deadline dates but cannot be completed after deadline dates.

Deadlines for homework, quizzes, and tests are INDEPENDENT of one another.

You do not have to complete homework to take quizzes or tests. (However, it is recommended.)

There are no prerequisites for any of the graded assignments.

Once you take Test 4 the course is complete, and no additional homework assignments or quizzes will count toward your grade. You must attempt Test 4 to complete the course.

Quizzes are due by 5:00pm
Homework is due by 11:59pm

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<thead>
<tr>
<th>Homework and Quizzes</th>
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<tbody>
<tr>
<td>Assignment</td>
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<tr>
<td>HW 1/Q 1</td>
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<tr>
<td>HW 2/Q 2</td>
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<td>HW 3/Q 3</td>
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<tbody>
<tr>
<td>Assignment</td>
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<tr>
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<td>Does not achieve minimal requirements</td>
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<tr>
<td><strong>Solution</strong></td>
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<td><strong>Accuracy</strong></td>
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<td><strong>Solution</strong></td>
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<td><strong>Evidence of Problem Solving</strong></td>
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<tr>
<td><strong>Conceptual Understanding</strong></td>
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Adapted from the Oregon Department of Education's 1995-2003 statewide assessments.
<table>
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<tr>
<th>Class</th>
<th>HW 11-14</th>
<th>HW 15-17</th>
<th>HW 18-20</th>
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<tbody>
<tr>
<td>Tests</td>
<td>Q1</td>
<td>Q2</td>
<td>Q3</td>
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<tr>
<td>Lab 1</td>
<td>11/14</td>
<td>11/16</td>
<td>11/19</td>
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<td>Lab 2</td>
<td>11/17</td>
<td>11/18</td>
<td>11/20</td>
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Course Schedule

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<thead>
<tr>
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<th>Mon</th>
<th>Tues</th>
<th>Wed</th>
<th>Thurs</th>
<th>Fri</th>
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<tbody>
<tr>
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