MA180 and MA418 Statistics, Spring 2014

Section ZN  Monday:  8:00am – 8:50am in HHB 125 (Lecture Hall)
              Wednesday:  8:00am – 8:50am in HHB202 (Math Learning Lab)
First day of class: Monday January 6, 2014
Last day of class: Wednesday April 16, 2014
Final Exam: Monday April 21, 2014, 8:00 AM to 10:30 AM

Instructor  Michael Pogwizd
Office:  476A Campbell Hall
E-mail:  mpogwizd@uab.edu
Website:  http://people.cas.uab.edu/~mpogwizd/

Office Hours  TBA

Reading the textbook is required!!!
Bringing the textbook to class is required!!!
Book packaged with access code. You should find copies of the text in the bookstores that are shrink-wrapped with a course access code. You will need the course access code.

Book packaged without an access code. If you purchase a text that is not shrink-wrapped with an access code, you will have to purchase a stand-alone access code from the publisher at www.coursecompass.com. (It is also possible to purchase a stand-alone access code in the bookstores.)

Students from Fall semester 2013: If you have previously purchased an access code for this Statistics book, it may be possible to use it again. Click “Enroll In Another Course” at MyMathLab www.coursecompass.com.

The least expensive option is usually the book shrink-wrapped with the access code.

Calculators  A good calculator can be useful but is not required. In lieu of a calculator students will be using the STATCRUNCH computer program for homework, quizzes and tests. However, students may also use their personal hand-held calculators if they wish.

Cell phones and Laptops  All cell phones, iPhones, iPads, and laptops must be turned off and put away during lectures. Texting during lectures is strictly forbidden!! Students found to be texting will receive reduced lecture participation points, at the discretion of the instructor.
Course Assignments

Tests

There will be four 50-minute tests and a 2½ hour final exam. The final exam will be comprehensive. The textbook itself cannot be used. You can use your calculator and StatCrunch (school computers only, no laptops).

Homework

The homework exercises and quizzes are done using a computer program named MyMathLab. To register for the on-line portion of the course you will need the access code that comes packaged with the text (or that you purchased on-line if your copy of the text did not include the shrink-wrapped access code). You can use the computers in the UAB Math Learning Lab (Heritage Hall 202), computers in the Library’s ETS facility, or you can use your own computer with an Internet connection. Be aware if you are using your own computer, you may have to download the Flash plug-in in order to do the homework assignments. Instructions for downloading the plug-in will be displayed when you access the homework site. The site for registering to do homework and for completing the assignments is www.coursecompass.com.

Quizzes

Like the homework, quizzes are taken on-line. Each quiz can be taken two times (the highest grade will count). Do not hit the BACK button on your browser when taking a quiz. This will end your quiz and you will not be able to get back into it. If you think your computer or network connection is not reliable, you should take your quizzes in the UAB Math Learning Lab. Quizzes generally have a 30-minute time limit. They are open-book. Students are strongly advised to not wait until the last minute to complete homework and quizzes. Problems occurring at the last minute are the responsibility of the student. If your quiz is interrupted for any reason and the system says that you need the instructor’s permission to return to the quiz, email the instructor as soon as possible.

Pre-Class Quizzes

There is a separate reading quiz associated with each reading assignment. Reading quizzes are due at 11:45 PM on the day preceding the classroom lecture (see course schedule). Each reading quiz can be taken two times. The higher grade will count.

<table>
<thead>
<tr>
<th>Week</th>
<th>Ch.</th>
<th>Sections</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>1, 2, 3, 4</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>1, 2, 3, 4, 5</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
<td>1, 2, 3, 4</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>1, 2, 3, 4</td>
</tr>
<tr>
<td>4</td>
<td>5</td>
<td>1, 2, 3, 4</td>
</tr>
<tr>
<td>5</td>
<td>6</td>
<td>1, 2, 3, 5, 6</td>
</tr>
<tr>
<td>6</td>
<td>7</td>
<td>1, 2, 3</td>
</tr>
<tr>
<td>7</td>
<td>7</td>
<td>4, 5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Week</th>
<th>Ch.</th>
<th>Sections</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>8</td>
<td>1, 2, 3</td>
</tr>
<tr>
<td>9</td>
<td>8</td>
<td>4, 5, 6</td>
</tr>
<tr>
<td>10</td>
<td>9</td>
<td>1, 2, 3</td>
</tr>
<tr>
<td>11</td>
<td>9</td>
<td>4, 5</td>
</tr>
<tr>
<td>12</td>
<td>10</td>
<td>1, 2, 3</td>
</tr>
<tr>
<td>13</td>
<td>11</td>
<td>1, 2</td>
</tr>
<tr>
<td>14</td>
<td>12</td>
<td>1, 2</td>
</tr>
</tbody>
</table>
CourseCompass Account

Browser
The Firefox or Chrome browsers may on occasion give you a more reliable connection to the homework website than will Internet Explorer.

Account
When you create an account at CourseCompass, you will need to choose a login name, password, and provide your e-mail address. IMPORTANT: Your login name MUST be the same as your complete official UAB email address! (Example: student@uab.edu) Do not abbreviate. Do not leave out the “@uab.edu” part. Do not use any non-UAB email address (gmail, aol, uabmc, etc.) as your login name. This is a Math Department standard. (When you supply an email address for your CourseCompass account, you are free to give any email address, such as Google Mail or AOL Mail, etc.)

If you choose a different login name (other than your complete official UAB email address), your homework and quiz scores will not be transferred from CourseCompass to the UAB on-line grade database, and the absence of these scores will lower your grade significantly!!!

Make up your own password. If you are a returning student, use your existing CourseCompass account, do not create a new account. But if your existing login name is different from your complete official UAB email address, change it.

Grading and Policies

Participation
Classroom and lab participation are required. At each class meeting there will be a roll to be signed by the students. Points (3.0) are awarded for on-time attendance with the textbook in hand. Zero points are awarded for missed classes. If the course instructor accepts a written excuse for an absence, the student is awarded 1.5 points. Students arriving late get zero or some portion of 3.0. Students attending a lecture without the textbook will earn the reduced rate of 1.5 points.

Due dates
Homework problems can be worked any number of times until they are correct. Quizzes can be worked two times (the highest score will count). There are no extensions of homework, quiz, and reading quiz deadline dates, so plan to complete them ahead of schedule. Homework sets are usually due by 10:30 PM and the corresponding quizzes on the same day by 11:45 PM. The exact due dates are shown on your course schedule sheet, and on the CourseCompass web-site.
There are no make-ups for missed homework and quiz assignments. This is because they can and should be completed ahead of time. A missed test can be excused for a serious, verifiable circumstance, and only if the student provides adequate written documentation. To appeal a missed test, go to the Math Department office in Campbell Hall room 452 and complete the appeal form. Appeals must be received no later than one week after the missed test, by 5:00 PM on that day. If the appeal is approved, your instructor will schedule a make-up time and place.

There are no extra credit assignments in this course.

The last day to withdraw from the course with a grade of “W” is March 31, 2014. The permission of the instructor is not required.

Course Grade based on points earned (not on a percentage)
- Reading Quizzes (14 assignments @ 6 points each) 84
- Homework (14 assignments @ 6 points each) 84
- Quizzes (14 quizzes @ 6 points each) 84
- Four tests @ 100 points each 400
- Final exam 264
- Lecture and participation (28 @ 3 points each) 84

Total possible points: 1000

Letter Grade based on points earned (Note: 749 points is a C, not a B)
- 880 to 1000 A
- 750 to 879 B
- 620 to 749 C
- 500 to 619 D
- Below 500 F

Official student grades are maintained in the Math Department grade database (a.k.a. MADDIE). To access your grade record, go to www.uab.edu/mathematics and click on Student Resources then Check grades. You will need to enter your BlazerID and password.

Students are asked to review all grades for accuracy immediately after they are posted. Quizzes must be reviewed before the date of the mid-term test with which they are associated. Mid-term tests should be reviewed as soon as possible, but no later than the date of the next test. Tests that are not reviewed on this schedule are not eligible for review. All questions involving homework grades, quiz grades, test grades and participation points must be resolved before the final exam. Once the final exam is taken the course is complete, and no further review of in-term grades is permitted.
Other Information

MA418  MA418 students must also submit a pass/fail project before the end of the semester. Information regarding the project will be distributed later in the semester. In support of developing writing skills, the project will include a report describing their observations, presenting logical analysis, and making conclusions.

Final Exam  The final exam is Monday April 21st from 8:00 AM until 10:30 PM. It will be held in the Math Learning Lab. The exam is comprehensive.

Email  Information about the course (changes to assignments, reminders, schedules, etc.) will be distributed to students using their blazerID email address. Each student is required to access their UAB email account frequently, as these communications represent official university business. This is a requirement for all UAB students. For UAB email account assistance, send an email to userservices@uab.edu, or call 934-3540.

Disability Support  DSS offers special accommodations to students who qualify. The UAB DSS office is located at the 9th Ave Office Building 1701 9th Ave S, 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.

Optional Resources  The Cartoon Guide to Statistics, by Larry Gonick (Available on Amazon, Barnes and Noble, etc.)

A great resource for understanding topics and visualizing ideas. It is not a textbook, but a visual guide going over the same material we will cover. Students who used this book in previous classes seemed to show better understanding of concepts and topics covered in class.
Aims of the Course

This course supports the development of quantitative literacy. Upon successful completion of the course, a student can:

- handle data sets, construct and interpret tables, graphs, and schematic representations of mathematical relations
- identify a problem and translate verbal descriptions into mathematical form
- compute statistics and evaluate significance of empirical observations
- draw conclusions based upon probability laws and empirical data
- test hypotheses and validate a model based upon empirical evidence
- communicate results in a manner appropriate to the audience in writing or using visual aids (graphs, charts, schemata)