Math 2204, Elementary Statistics

Summer 2013

Instructor: Dr. Kailash Ghimire

Office Hours: CWH #206, Wednesday 9:15-10:00 and 11:30-12:30 pm or by an appointment.

Contact: ghimire@gsw.edu, Phone: (229) 931-7350

Note that your radar email is the official email of communication between students and the university. Make sure to check your both emails frequently. Note that the mail that you share on GeorgiaView can be seen by other students too.

Course website: https://gsw2.view.usg.edu/. This course will be conducted through GeorgiaView D2L Course Management System. It is students' responsibility to check the announcements, assessments, and other information in GeorgiaView.

HOW TO LOG IN TO GeorgiaView

1. Go to www.gsw.edu and then click arrow next to GSW Community Links in the left column on the GSW home page. Select GeorgiaView from the drop-down menu.
2. Click the link log into GeorgiaView(D2L) and enter your username and password. The page will look like:

BROWSER CHECK, DOWNLOADS AND OTHER USEFUL LINKS
If you work on your personal computer, it is your responsibility to check the browser and tune the browser up so that you will not have any technical difficulties to view the course contents. For this, you must check and tune up your browser to ensure that you use a supported browser. For this, the GeorgiaView main page gives the instructions. Also, you need to have compatible plug ins into your system. The link "Downloads" will be a help for this.

If you experience technical problem with GeorgiaView, you may contact an online support service (24x7 support ) at http://help8.view.usg.edu/ or GSW GerogiaView help at gaview@canes.gsw.edu. GSW GeorgiaView help is available Monday-Friday during business hours only.

**AFTER LOGIN TO GeorgiaView ACCOUNT:**

After you login to GeorgiaView Account, select **Elementary Statistics-Summer 2013 Math-2204**. Then it will direct you a page that looks like which contains course contents, links and information. It is your responsibility to check the frequent course announcements.

**IMPORTANT NOTE:** You need to verify your enrollment sending me an email through GeorgiaView by the end of the first week of the semester, that is by June 5, 2013. Failure to send such an email may result withdrawal/drop from the class. You also need to verify your identity to take tests. **Students** enrolled in online courses through the School of Computing and Mathematics may be required to take one or more proctored exams per semester. Please go to [http://www.proctoru.com/gsw/](http://www.proctoru.com/gsw/) for more information. Students should be aware that they are responsible for ProctorU testing fees. The projected cost for a two hour exam is $25.00.

**COURSE REQUIREMENTS and DESCRIPTION**
TEXTBOOK AND MATERIALS:  The Basic Practice of Statistics, 5th ed., Freeman, by David S. Moore (you may use the 4th edition, but make sure you are on the same pace)

COURSE OBJECTIVES:

After completing this course, students will have acquired knowledge of

(a) Descriptive statistics

(b) Appropriate sampling techniques and experimental methods

(c) Basic probability theory including probability distributions

(d) Basic inferential statistics including confidence intervals and tests of significance

(e) The use of technology (particularly a TI-83 or 84 calculator) as a tool in statistical analysis

Student Learning Outcomes: The student will be able to collect, organize and analyze data. The student will be able distinguish between correlation and cause and effect. The student will become competent with the various statistical distributions covered. Facility with elementary counting and probability is an important underlying skill. Competence with data analysis and inference is a primary goal.

COURSE DESCRIPTION

This course begins the study of statistics and probability. In particular, it will include the study of the nature of statistics, the fundamental concepts of probability, the methods of collecting and analyzing data, and the techniques of making inferences based upon data. Technology, in the form of graphing calculators and statistical software, will be integrated into the course. We will discuss distributions (including the binomial, normal, and student t distributions), elementary descriptive statistics, elementary probability, sampling, random variables, and hypothesis testing. The prerequisite for the course is College Algebra (MATH 1111) or Precalculus (MATH 1113) or Math 1101. If your skills (manipulating expressions, solving equations, etc.) from this class have become rusty, it would be to your advantage to review them now.

Homework and Grading Policy:

Homework problems or practice quiz will be posted on GeorgiaView and on a regular basis. The homework will not be collected. Students are expected to work on the assigned homework problems before I answer the questions about them. There will online quizzes, one midterm exam and one final exam. The final exam will be comprehensive. The lowest quiz score will be dropped. Each of the tests will be worth 35% and the total of the quizzes will be worth 30%. The letter grades will be based on the following scale:

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<tr>
<th>Scale</th>
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<tbody>
<tr>
<td>90-100</td>
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<tr>
<td>80-89</td>
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<td>70-79</td>
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<tr>
<td>60-69</td>
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<td>&lt;=59</td>
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A tentative schedule of lectures and tests is attached. I will allow a maximum of one make-up if you miss a test for a reason I find acceptable and if you notify me of the reason in a timely manner. You MUST notify me at the earliest possible opportunity of your reason for missing the test. If I find that your reason is acceptable, we will arrange a time for you to take a make-up exam. You MUST be prepared to DOCUMENT your reason for missing the test. There will be NO EXCEPTIONS to this policy. Tests that are not taken at the first schedule time may look quite a bit different from those the class takes.

**Note:** Providing the right submission through GeorgiaView is a part of your assignment. No other submissions (e.g. handing in floppy disk, CD, USB flash drive, or sending as an email attachment) will be accepted until specified. Use your USB storage devices to save your intermediate results and provide the final submission only via GeorgiaVIEW Assignments Tool.

**CHEATING POLICY**

Dishonest work will be treated as a serious offense by the faculty and administration of Georgia Southwestern. Visit the university website for further details about the GSW policy on academic integrity. You may also look at [http://gsw.edu/Calendars/Academic-Calendar/index](http://gsw.edu/Calendars/Academic-Calendar/index) for GSW academic calendar. A tentative schedule for this course is given below. This is subject to change without a notice. Please check the Announcements for current information.

**(Week of May 29)**

**Mandatory Syllabus Quiz. This quiz will not be part of your grade.**

Chapter 1

**(Week of June 2)**

Chapter 2
Chapter 3
Chapter 4

**(Week of June 9)**

Chapter 5
Chapter 8

**(Week of June 16)**

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<thead>
<tr>
<th>Grade</th>
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<tbody>
<tr>
<td>A</td>
<td>90 - 100</td>
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<td>80 - 89</td>
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<td>C</td>
<td>70 - 79</td>
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<tr>
<td>D</td>
<td>60 - 69</td>
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<tr>
<td>F</td>
<td>0 - 59</td>
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Chapter 9

****June 19: First Midterm ****

(Week of June 23)
Chapter 10
Chapter 11
Chapter 12

(Week of June 30)
Chapter 13
Chapter 14
Chapter 15

(Week of July 7)
Chapter 16
Chapter 17
Chapter 18

(Week of July-14)
Chapter 19
Chapter 20

(Week of March-12)
Chapter 12
Chapter 13

****July 18: Final ****

(This tentative schedule is correct at the date of release and subject to change)

Note: A student requesting classroom accommodations or modifications due to a documented disability must notify me within the first two weeks of the semester. If the student has not already done so, he or she must contact the Office of Disability Services in order to receive these accommodations and modifications. The Office of Disability Services is located in Sanford Hall, room 101, and the phone number is 229-931-2661.