Camille Pace
Elementary Statistics Syllabus
(3 hour credit)
Fall 2018

WELCOME!
CRNS: 80076, 80077, 80078
Instructor’s Office: 256-E (Cartersville campus)

Email outside of D2L (GHC email)
cpace@highlands.edu

Important Dates
Orientation Quiz and Discussion is due by Aug. 26th at 11:30 pm
Required Midterm Testing period is October 8th through 13th.
The last day to drop without penalty (W) is October 22nd, 2018

The textbook can be found under content in the Math 2200 course in D2L. Please look for Open Stax Information.

Description and Information about Math 2200
This is a basic course in statistics at a level which does not require knowledge of calculus. Statistical techniques needed for research in many different fields are presented. Course content includes descriptive statistics, probability theory, hypothesis testing, ANOVA, Chi-square, regression, and correlation.

Math 2200 Online will be run through D2L; students, therefore, will familiarize themselves with these classroom management systems as assignments, announcements, grades and all other information will be posted there. All due date times are in Eastern Standard.

Office Hours
Sunday (Online in D2L) 7:00 pm to 9:00 pm
Tuesday (Cartersville) 11:00 am to 2:00 pm
Wednesday (Online in D2L) 1:00 pm to 3:00 pm
Thursday (Cartersville) 11:00 am to 2:00 pm
**I will not be online starting Friday night until Sunday afternoon.**
You may use the approved calculator and websites on the exams. Proctors cannot override this policy. Students who it is found to have used or attempted to use any other items, even if a proctor errors in his or her directions, will be guilty of cheating and will receive a grade of zero on the exam. If you are caught with any notes or going to other websites, you will be given a zero and will be reported for cheating.

Any student who does not taking both exams will be assigned a grade of F. That is unless you withdraw from the class. There is no make-up for the exams. You will have only one attempt at the exam.

The midterm exam will cover Module 1 and 2. The final exam will cover Module 3 and 4.

Request for alternate proctored testing must be received in writing by the instructor by 3:00 pm on August 30th, 2018. The request will be accepted or denied at the discretion of the instructor.

Rules for the Exams

The exams will be given online in D2L and are password protected. **Students will NOT be given the password.**

You may make one attempt for the final exam.

**There are NO make-up for the exams.** The exams may contain multiple choice, fill-in, short answer or True/False questions.

During the exam period, **you will have 120 minutes from the time that you click to begin the exam.** However, all exams must be completed by 11:30 PM on the due date. For example, you should start by 9:30 PM on the final day, if you want to full 120 minutes. Once the time expires, you can no longer submit answers.

---

**Georgia Highlands Testing Center Information**

The midterm will **require** you to make an appointment to take the final exam at one of the GHC testing centers. When I have received the information, I will email students in D2L about how to sign up.

You must bring and show your GHC Identification card or Georgia Driver’s license to the testing center staff. You will only be able to bring your TI-83 or TI-84 calculator, scrap paper, and pencil into the exam.

**Remote Proctor Now Testing Information**

You must follow certain guidelines to use the Remote Proctor software. Please see D2L under content for more information on how to use the software.

You must download the software onto your computer and test it out in advance of the exam. There is also an agreement with all of the rules and information you must sign and turn it.
**Assignments Information**

### Homework

There are 14 homework assignments that can be done. Each certification is worth 10 points.

**You have two attempts to complete the homework and only your highest score will be recorded in the gradebook.**

The Practice Problems are not counted for a grade so you are not required to complete them. They will help you reinforce the material and will help you review for the midterm and final exam. The practice problem videos are based on these problems where I explain how I solved them.

### Projects

Projects can be found in each module. Please complete them in a word document and turn them in as a docx.

You will only get one attempt on the project and it needs to be turned in under the correct folder in assignments. No emailed projects will be accepted.

The projects will help you learn the material and will help you with the midterm and final exam.

**Each project is worth 10 points and need to completed by the due date listed in the course outline and turned in as a word document. If I can't open it, I can't grade it.**

### Discussions

Pick a topic or concept for the module that was difficult for you (If you don't have one, you can just pick one). Tell what it is, why it was difficult, and if you need any hints or help with it. The post needs to be at least four sentences long.

You only have to complete one discussion per module. The total point value for this part is 5 points.

Since the purpose of the discussions is to interact with your classmates and increase knowledge of the subject matter, you need to comment on two of your classmates' problems. Be polite! Any negative posts will be deleted and you will lose points. You get 5 points for this part.

---

### Assignments Points Breakdown

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Individual Point Value</th>
<th>Total Point Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>14 Homeworks</td>
<td>10</td>
<td>140</td>
</tr>
<tr>
<td>5 Discussions</td>
<td>10</td>
<td>50</td>
</tr>
<tr>
<td>Final Exam</td>
<td>150</td>
<td>150</td>
</tr>
<tr>
<td>Midterm Exam</td>
<td>150</td>
<td>150</td>
</tr>
<tr>
<td>6 Projects</td>
<td>10</td>
<td>60</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>550</strong></td>
</tr>
</tbody>
</table>

To get an A, you need **495 – 550 total points**
To get a B, you need **440 – 494 total points**
To get a C, you need **385 – 439 total points**
To get a D, you need **330 – 384 total points**
To get a F, you need **329 total points or less**

---

**LATE POLICY**

No late work is accepted in this course. Please plan accordingly and complete your work on time. Again, I will not accept any late work.

If you have a life changing event and your work is late, you have to provide documentation in your request. I will not even consider any extension unless documentation is provided when the request is made.

Losing internet access, taking a vacation, or forgetting to do an assignment is not a life changing event.

I am not going to remind you of the dates. I do provide the course outline, announcements, and calendar to help you stay on track. Your success in this course is on you.

Again, I will not curve any grade including your final grade.
The mission of the Georgia Highlands College (GHC) Quality Enhancement Plan (QEP) is to create a curriculum-wide culture of information competency (IC) among students, which will be demonstrated through writing or other modes of communication.

Outcomes:
- The student will determine the nature and extent of information needed.
- The student will access the needed information effectively and efficiently.
- The student will evaluate information and its sources critically.
- The student will demonstrate his/her information competency through writing or other modes of communication.

Learning Outcomes
- The students will use appropriate models and quantitative methods to analyze data, explore relationships among variables, and find missing information.
- Students will be able to solve equations.
- Students will be able to model problem contexts mathematically to arrive at solutions.
- Students will be able to use appropriate technology
- Students will be able to interpret data presented graphically
- Students will be able to make appropriate graphs to model data
- Students will be able to calculate and to interpret measures of central tendency, measures of variation, and measures of position
- Students will be able to interpret the meaning of statistical significance and to perform tests to determine statistical significance

How to be Successful in Math 2200

Online courses can be tough but you can succeed. Many of my past students have found that if they set aside certain days of the week to work on the content, they are able to stay on track. The course outline that is in D2L is your guide to remember what is due when. It might help to print it out and put it somewhere where you can refer to it during the semester.

Again, welcome to the course!
Other GHC Policies

Tobacco-Free Campus:

Georgia Highlands College prohibits the use of tobacco products on any property owned, leased, or controlled by GHC. All faculty, staff, students, visitors, vendors, contractors, and all others are prohibited from using any tobacco products (i.e., cigarettes, eCigarettes, cigars, smokeless tobacco, snuff, chewing tobacco, etc.) while on GHC property.

Early Warning Program:

Georgia Highlands College requires that all faculty members report their students’ progress throughout the course of the semester as part of the institution-wide Early Warning Program (EWP). The objective of the program is to support academic success by reviewing early indicators of satisfactory student progress. In accordance with EWP, faculty members provide the Registrar’s Office with academic reports of each student enrolled in their course(s) at checkpoints staggered throughout the semester. The following success factors are reported at their corresponding checkpoint:

- Week 2: Notification of Non-attendance
- Week 6: Satisfactory or Unsatisfactory Progress

Extended Absence Policy:

“Students, who have circumstances that prevent them from continuing to attend classes over an extended period of time, sometimes request that the faculty member permit them to submit work in absentia to receive credit to complete the course. If the concurrent absences will constitute more than 15% of the class sessions for the term, then written permission from the Academic Dean is required before any course assignments can be completed while missing class. The student must be in good academic standing in the course to make the request. All approved coursework must be completed by the end of the semester in which the course was begun.”

Disability Statement:

"If any student in the class feels that he or she needs accommodation due to a disability, please feel free to discuss this with the instructor early in the term. Georgia Highlands College has resources available for students with certain disabilities. Accommodations may be made (such as providing materials in alternative formats, assuring physical access to classrooms or being sensitive to interaction difficulties that may be posed by communication and/or learning disabilities) through Student Support Services on all campuses. For more information please contact: Cartersville 678-872-8004; Douglasville and Floyd 706-368-7536; Marietta 678-915-5021; Paulding 678-946-1029.”

Financial Aid Statement:

"This message applies only to students receiving financial aid: Federal regulations state that if a student did not attend classes and received failing grades, then the grades were not earned and financial aid needs to be reduced accordingly. Please be advised that any student receiving a 0.00 GPA will be required to prove that the 0.00 GPA was earned by attending classes or completing requirements for each class. Students who have earned at least one passing grade for the semester will not be affected by this regulation. If a student has properly withdrawn from all classes, the student’s financial aid should be adjusted from the time they signed the withdrawal form.”

For guidance on HB280 Campus Carry, please link to the USG website www.usg.edu/hb280.

Contacting the Instructor

Use the student e-mail provided by Georgia Highlands College in order to contact the instructor via e-mail. Do not e-mail through Daylight/Desire2Learn (D2L). Any message through D2L will not be seen within a timely manner. Students may call the office phone to contact the instructor, but e-mail is the most efficient and preferred method of communication. Do not expect responses between the hours of 8:00 PM and 8:00 AM.

Important: Grades will only be discussed in person.

Course Description

This is a basic course in statistics at a level that does not require knowledge of calculus. Statistical techniques needed for research in many different fields are presented. Course content includes descriptive statistics, probability theory, hypothesis testing, ANOVA, Chi-square, regression and correlation.

Prerequisites

MATH 1001 or MATH 1111.

Required Materials

This course will require regular use of the Internet through D2L and OpenStax. The course will also require a TI-83 or TI-84 calculator. Please bring your own paper and pencil to class for notes.

Required Text

*Introductory Statistics*, 1st edition, Barbara Illowsky, OpenStax College, Rice University

https://openstax.org/details/Introductory-Statistics

Required Technology

A computer with Internet access to complete the online homework and projects.

Attendance

Attendance will be taken each class via a sign-in sheet at the front of the class. Attendance is not for a grade. However, it is strongly recommended that each class be attended.

Any student that stops attending this course without withdrawing will receive a grade of F.
Evaluation

Grades will be kept in Daylight/D2L. The course will contain fourteen homework assignments, four exams, six projects, and one comprehensive final exam.

Homework

Homework will be assigned in D2L for most sections covered in class, and each homework grade will be worth ten points. Homework will be due on the corresponding exam date and graded by D2L. Each homework assignment will allow only two attempts. There are practice problems for no points. These are to help prepare you to complete the homework, but are not required.

Projects

There will be six projects each worth twenty points. Project due dates will be listed under the course schedule at the end of this syllabus. Projects will be made available by the fourth week of the course. Projects are expected to be printed and turned in by 9:35 am on the due date. Anything later than that will not be considered.

Exams

There will be four in class exams worth one hundred and fifty points apiece. The first four in class exams consist of short answer problems. Exams only last for a class period (9:30 am to 10:45 am). If a student is late to an exam, there will be no extra time provided. Students may only use the aforementioned calculators or the approved websites from the notes on exams.

Each problem from exams and projects will be graded on the following scale:

<table>
<thead>
<tr>
<th>Score for the problem</th>
<th>Reason for the score</th>
</tr>
</thead>
<tbody>
<tr>
<td>0%</td>
<td>Problem not attempted.</td>
</tr>
<tr>
<td></td>
<td>An attempt is not rewriting the problem.</td>
</tr>
<tr>
<td>30%</td>
<td>Problem was attempted, but incorrect.</td>
</tr>
<tr>
<td>70%</td>
<td>Problem was attempted correctly overall, but included minor miscalculations or other errors.</td>
</tr>
<tr>
<td>100%</td>
<td>Problem was correct with no mistakes.</td>
</tr>
</tbody>
</table>

Final Exam

A comprehensive final will be given at the end of the course worth one hundred and fifty points. The final exam will be multiple choice unless the Division of Mathematics wishes to include problems for assessment. The multiple choice problems will be graded for correct answers only, no partial credit. If the division chooses to include short answer problems on the final exam, then those problems will be graded using the scale for the first four exams. The date and time for the final exam are: **17 December 2018 at 9:30 AM.**
Grades

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Total Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam 1</td>
<td>150</td>
</tr>
<tr>
<td>Exam 2</td>
<td>150</td>
</tr>
<tr>
<td>Exam 3</td>
<td>150</td>
</tr>
<tr>
<td>Exam 4</td>
<td>150</td>
</tr>
<tr>
<td>Homework</td>
<td>140</td>
</tr>
<tr>
<td>Projects</td>
<td>120</td>
</tr>
<tr>
<td>Comprehensive Final</td>
<td>150</td>
</tr>
<tr>
<td><strong>Total Points Possible</strong></td>
<td><strong>1010</strong></td>
</tr>
</tbody>
</table>

Grade Calculation

The lowest of the five exam grades will be dropped. The final grade will be calculated based on the total points a student achieves within the course, excluding the dropped exam. Letter grades will be awarded based on the point totals below.

Grading Scale

- A = 774-860
- B = 688-773
- C = 602-687
- D = 516-601
- F = 0-516

Exam Make-Up Policy

Since one exam is dropped, there will be no make-up exams for this course without an extreme situation. If you know you will miss an exam, then the exam must be taken prior to the stated examination date to receive credit. Please e-mail the instructor to work out a new date.

Late Work

There will be no late work allowed, including homework and projects.

Withdrawing from Class

The final day to withdraw with a grade of W for a full term course is 22 October 2018.

Student Learning Outcomes

Goal: Students will use appropriate models and quantitative methods to analyze data, explore relationships among variables, and find missing information.

- Students will be able to solve equations.
- Students will be able to solve inequalities.
- Students will be able to graph functions.
- Students will be able to interpret information presented graphically.
Georgia Highlands College
MATH 2200 - Elementary Statistics - CRN: 80069
Fall Semester 2018 - 3 Credit Hours

• Students will be able to express numbers appropriately in a variety of ways based on context.
• Students will be able to rewrite algebraic expressions appropriately in a variety of ways based on context.
• Students will be able to use set notation in context.
• Students will be able to calculate rates of change using multiple representations.
• Students will be able to interpret rates of change using multiple representations.
• Students will be able to model scenarios or data mathematically to solve quantitative problems.
• Students will be able to use technology appropriately.
• Students will be able to apply logical, mathematical reasoning.
• Students will be able to interpret measures of central tendency, measures of variation, or measures of position.
• Students will be able to perform tests of statistical significance and interpret the test results appropriately.

Topics Covered
• Descriptive Statistics
• Probability Theory
• Discrete Probability Distributions
• Discrete and Continuous Probability Distributions
  – Normal distribution, Binomial distribution, t-distribution
• Correlation
• Regression
• Chi-Square
• ANOVA
• Confidence Intervals
• Hypothesis Testing

Academic Integrity

Any form of cheating, including, but not limited to, looking on another student’s exam, using a graphing calculator to type messages to another student, or attempting to use a cellphone on an exam, will result in a zero on the corresponding exam for the first offense. A second offense will earn an F for the entire course, and the student will be reported to Academic Affairs.

Policies on student conduct and academic integrity are in the Colleges Student Rights & Responsibilities document. This can be accessed by including on the syllabus the following URL: http://www2.highlands.edu/site/student-rights
Cell Phones and Audio/Video Recording

Cell phones must be turned off, placed in vibrate mode, or silenced and stored throughout class and during exams. If you wish to use your phone during class for an academic purposes, prior permission from the instructor is required. Otherwise, if you need to use your phone during class (for talking, texting, or browsing the web), please leave the classroom. You may return after the completion of your conversation, as long as classroom disruptions are kept to a minimum. Prior permission must be granted from the instructor to record audio or video of the lecture.

Financial Aid Statement

This message applies only to students receiving financial aid: Federal regulations state that if a student did not attend classes and received failing grades, then the grades were not earned and financial aid needs to be reduced accordingly. Please be advised that any student receiving a 0.00 GPA will be required to prove that the 0.00 GPA was earned by attending classes or completing requirements for each class. Students who have earned at least one passing grade for the semester will not be affected by this regulation. If a student has properly withdrawn from all classes, the students financial aid should be adjusted from the time they signed the withdrawal form.

Accommodations

If any student in the class feels that he or she needs accommodation due to a disability, please feel free to discuss this with the instructor early in the term. Georgia Highlands College has resources available for students with certain disabilities. Accommodations may be made (such as providing materials in alternative formats, assuring physical access to classrooms or being sensitive to interaction difficulties that may be posed by communication and/or learning disabilities) through Student Support Services on all campuses. For more information please contact:

<table>
<thead>
<tr>
<th>Campus</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cartersville</td>
<td>678-872-8004</td>
</tr>
<tr>
<td>Douglasville and Floyd</td>
<td>706-368-7536</td>
</tr>
<tr>
<td>Marietta</td>
<td>678-915-5021</td>
</tr>
<tr>
<td>Paulding</td>
<td>678-946-1029</td>
</tr>
</tbody>
</table>

Early Warning Program

Georgia Highlands College requires that all faculty members report their students’ progress throughout the course of the semester as part of the institution-wide Early Warning Program (EWP). The objective of the program is to support academic success by reviewing early indicators of satisfactory student progress. In accordance with EWP, faculty members provide the Registrar’s Office with academic reports of each student enrolled in their course(s) at checkpoints staggered throughout the semester. The following success factors are reported at their corresponding checkpoint:

- Week 2: Notification of Non-attendance
- Week 6: Satisfactory or Unsatisfactory Progress
Early Grades Statement

GHC offers a variety of part-of-term classes to allow our students to have flexible schedules. However, there are only three Semesters each year: Spring, Summer and Fall. It is only at the end of each Semester that grades are rolled to academic history and available on the official transcript. After each part-of-term, as soon as Instructors have entered grades, they may be viewed online by logging into the SCORE (https://discovery.highlands.edu:9986/pls/SCORE/twbkwbis.P_WWWLogin). Transcripts may also be request at any time by logging into the SCORE. Prior to the end of term, should a student need an early grade letter sent to another institution they may complete the request form and submit it to the Registrars Office for processing (http://www2.highlands.edu/site/registrar-forms). Please contact the Registrars Office at registrar@highlands.edu if you need any assistance.

Extended Absence Policy

Students, who have circumstances that prevent them from continuing to attend classes over an extended period of time, sometimes request that the faculty member permit them to submit work in absentia to receive credit to complete the course. If the concurrent absences will constitute more than 15% of the class sessions for the term, then written permission from the Academic Dean is required before any course assignments can be completed while missing class. The student must be in good academic standing in the course to make the request. All approved coursework must be completed by the end of the semester in which the course was begun.

(Note: If a program has a more stringent absence policy than this, then the program policy prevails.)

Tobacco-Free Campus

Georgia Highlands College prohibits the use of tobacco products on any property owned, leased, or controlled by GHC. All faculty, staff, students, visitors, vendors, contractors, and all others are prohibited from using any tobacco products (i.e., cigarettes, eCigarettes, cigars, smokeless tobacco, snuff, chewing tobacco, etc.) while on GHC property.

House Bill 280 - Campus Carry

It is the permit holder’s responsibility to know if carrying is allowed in a specific class, room, or building. For guidance on House Bill 280 Campus Carry, please see the USG website concerning the bill: http://www.usg.edu/hb280.
# Course Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Monday</th>
<th>Wednesday</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug 20 / Aug 22</td>
<td>Syllabus</td>
<td>Basics of Statistics and Vocabulary</td>
</tr>
<tr>
<td>Aug 27 / Aug 29</td>
<td>Types of Data and Sampling</td>
<td>Qualitative Data</td>
</tr>
<tr>
<td>Sept 3 / Sept 5</td>
<td>Holiday</td>
<td>Qualitative Data</td>
</tr>
<tr>
<td>Sept 10 / Sept 12</td>
<td>Exam 1</td>
<td>Frequency Distribution</td>
</tr>
<tr>
<td>Sept 17 / Sept 19</td>
<td>Descriptive Statistics</td>
<td>Descriptive Statistics</td>
</tr>
<tr>
<td>Sept 24 / Sept 26</td>
<td>Probability and Normal Distribution</td>
<td>Probability and Normal Distribution</td>
</tr>
<tr>
<td>Oct 1 / Oct 3</td>
<td>Probability and Normal Distribution</td>
<td>Exam 2</td>
</tr>
<tr>
<td>Oct 8 / Oct 10</td>
<td>Confidence Intervals (Z)</td>
<td>Confidence Intervals (T)</td>
</tr>
<tr>
<td>Oct 15 / Oct 17</td>
<td>Confidence Intervals (T)</td>
<td>Hypothesis Testing</td>
</tr>
<tr>
<td>Oct 22 / Oct 24</td>
<td>T-Test</td>
<td>Z-Test</td>
</tr>
<tr>
<td>Oct 29 / Oct 31</td>
<td>T-Test</td>
<td>T-Test</td>
</tr>
<tr>
<td>Nov 5 / Nov 7</td>
<td>Exam 3</td>
<td>Chi-Square</td>
</tr>
<tr>
<td>Nov 12 / Nov 14</td>
<td>Chi-Square</td>
<td>Regression</td>
</tr>
<tr>
<td>Nov 19 / Nov 21</td>
<td>Holiday</td>
<td>Holiday</td>
</tr>
<tr>
<td>Nov 26 / Nov 28</td>
<td>Regression</td>
<td>ANOVA</td>
</tr>
<tr>
<td>Dec 3 / Dec 5</td>
<td>ANOVA</td>
<td>Exam 4</td>
</tr>
<tr>
<td>Dec 10</td>
<td>Review</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Final Exam</td>
<td>17 December 2018</td>
</tr>
<tr>
<td></td>
<td></td>
<td>9:30 AM</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Project #</th>
<th>Due Date and Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project 1</td>
<td>17 September 2018 at 9:35 am</td>
</tr>
<tr>
<td>Project 2</td>
<td>24 September 2018 at 9:35 am</td>
</tr>
<tr>
<td>Project 3</td>
<td>3 October 2018 at 9:35 am</td>
</tr>
<tr>
<td>Project 4</td>
<td>17 October 2018 at 9:35 am</td>
</tr>
<tr>
<td>Project 5</td>
<td>28 November 2018 at 9:35 am</td>
</tr>
<tr>
<td>Project 6</td>
<td>5 December 2018 at 9:35 am</td>
</tr>
</tbody>
</table>

The instructor reserves the right to change the contents, which includes grading scheme and exam dates, of this syllabus as circumstances dictate. Students will be notified of changes in class and by an announcement in Daylight/D2L.
Welcome!
CRNS: 80038
Instructor’s Office:
254-D (Cartersville campus)

Email outside of D2L (GHC email)
kdecoudr@highlands.edu

Important Dates

The last day to drop without penalty (W) is October 22nd, 2018.

Meeting Days & Times: Tuesday and Thursday at 11:00 am until 12:15 pm

The textbook can be found under content in the Math 2200 course in D2L. Please look for Open Stax Information.

Description and Information about Math 2200

This is a basic course in statistics at a level which does not require knowledge of calculus. Statistical techniques needed for research in many different fields are presented. Course content includes descriptive statistics, probability theory, hypothesis testing, ANOVA, Chi-square, regression, and correlation.

Math 2200 Online will be run through D2L; students, therefore, will familiarize themselves with these classroom management systems as assignments, announcements, grades and all other information will be posted there. All due date times are in Eastern Standard.

Office Hours

Sunday (Online in D2L) 5:00 pm to 7:00 pm
Tuesday (Cartersville) 8:30 am to 10:30 am
Tuesday (Online in D2L) 3:00 pm to 5:00 pm
Thursday (Cartersville) 8:30 am to 10:30 am
Thursday (Online in D2L) 3:00 pm to 5:00 pm
You may use the approved calculator and websites on the exams. Students who are found to have used or attempted to use any other items, will be guilty of cheating and will receive a grade of zero on the exam. If you are caught with any notes or going to other websites, you will be given a zero and will be reported for cheating.

Exam procedure:

You are not allowed a phone, drinks, or other personal items near your desk when you test. Backpacks and other supplies will be set on the walls in the class during testing. No exceptions.

Request for alternate proctored testing must be received in writing by the instructor by 3:00 pm on August 30th, 2018. The request will be accepted or denied at the discretion of the instructor.

There are 4 exams:
- Module 1
- Module 2
- Module 3
- Module 4

There will be taken in class with no make-ups.

If you miss one, you will have to take the final exam to make up for it. There are no exceptions!

If you take all 4 exams and are happy with your grade, you don’t have to take the final exam.

The exams will cover information from:
- lectures
- homeworks

Rules for the Exams

The exams will be given in class and have to be completed in the normal classtime.

If you are late to class, it will shorten the time you have to take it.

There are NO make-up for the exams.

I will let you know what you are allowed on the exam the class before the exam. Please make sure to be there to get the necessary information. I will NOT email it to you.
How to be successful in this course:

Math courses can be tough but you can succeed. Many of my past students have found that if they set aside certain days of the week to work on the content, they are able to stay on track. The course outline that is in D2L is your guide to remember what is due when. It might help to print it out and put it somewhere where you can refer to it during the semester.

Again, welcome to the course!

Late Policy

No late work is accepted in this course. Please plan accordingly and complete your work on time. Again, I will not accept any late work.

If you have a life changing event and your work is late, you have to provide documentation in your request. I will not even consider any extension unless documentation is provided when the request is made. Losing internet access, taking a vacation, or forgetting to do an assignment is not a life changing event.

I am not going to remind you of the dates. I do provide the course outline, announcements, and calendar to help you stay on track. Your success in this course is on you.

Again, I will not curve any grade including your final grade.

Homework

There are 14 homework assignments that can be done. Each certification is worth 10 points.

You have two attempts to complete the homework and only your highest score will be recorded in the gradebook.

The Practice Problems are not counted for a grade so you are not required to complete them. They will help you reinforce the material and will help you review for the midterm and final exam. The practice problem videos are based on these problems where I explain how I solved them.

Please note that I will not curve any grade.
The mission of the Georgia Highlands College (GHC) Quality Enhancement Plan (QEP) is to create a curriculum-wide culture of information competency (IC) among students, which will be demonstrated through writing or other modes of communication.

Outcomes:
- The student will determine the nature and extent of information needed.
- The student will access the needed information effectively and efficiently.
- The student will evaluate information and its sources critically.
- The student will demonstrate his/her information competency through writing or other modes of communication.

**Learning Outcomes**
The students will use appropriate models and quantitative methods to analyze data, explore relationships among variables, and find missing information.

- Students will be able to solve equations.
- Students will be able to model problem contexts mathematically to arrive at solutions.
- Students will be able to use appropriate technology
- Students will be able to interpret data presented graphically
- Students will be able to make appropriate graphs to model data
- Students will be able to calculate and to interpret measures of central tendency, measures of variation, and measures of position
- Students will be able to interpret the meaning of statistical significance and to perform tests to determine statistical significance

### Assignments Points Breakdown

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Individual Point Value</th>
<th>Total Point Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>14 Homeworks</td>
<td>10</td>
<td>140</td>
</tr>
<tr>
<td><strong>4 Exams</strong></td>
<td>150</td>
<td>600</td>
</tr>
<tr>
<td><strong>Final Exam</strong></td>
<td>150</td>
<td>150</td>
</tr>
<tr>
<td>Attendance</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>800</td>
</tr>
</tbody>
</table>

**See page two for information about exams**

To get an A, you need 720 – 800 total points
To get a B, you need 640 – 719 total points
To get a C, you need 560 – 639 total points
To get a D, you need 480 – 559 total points
To get a F, you need 479 total points or less
Other GHC Policies

Tobacco-Free Campus:

Georgia Highlands College prohibits the use of tobacco products on any property owned, leased, or controlled by GHC. All faculty, staff, students, visitors, vendors, contractors, and all others are prohibited from using any tobacco products (i.e., cigarettes, eCigarettes, cigars, smokeless tobacco, snuff, chewing tobacco, etc.) while on GHC property.

Early Warning Program:

Georgia Highlands College requires that all faculty members report their students' progress throughout the course of the semester as part of the institution-wide Early Warning Program (EWP). The objective of the program is to support academic success by reviewing early indicators of satisfactory student progress. In accordance with EWP, faculty members provide the Registrar's Office with academic reports of each student enrolled in their course(s) at checkpoints staggered throughout the semester. The following success factors are reported at their corresponding checkpoint:

- Week 2: Notification of Non-attendance
- Week 6: Satisfactory or Unsatisfactory Progress

Extended Absence Policy:

"Students, who have circumstances that prevent them from continuing to attend classes over an extended period of time, sometimes request that the faculty member permit them to submit work in absentia to receive credit to complete the course. If the concurrent absences will constitute more than 15% of the class sessions for the term, then written permission from the Academic Dean is required before any course assignments can be completed while missing class. The student must be in good academic standing in the course to make the request. All approved coursework must be completed by the end of the semester in which the course was begun."

Disability Statement:

"If any student in the class feels that he or she needs accommodation due to a disability, please feel free to discuss this with the instructor early in the term. Georgia Highlands College has resources available for students with certain disabilities. Accommodations may be made (such as providing materials in alternative formats, assuring physical access to classrooms or being sensitive to interaction difficulties that may be posed by communication and/or learning disabilities) through Student Support Services on all campuses. For more information please contact: Cartersville 678-872-8004; Douglasville and Floyd 706-368-7536; Marietta 678-915-5021; Paulding 678-946-1029."

Financial Aid Statement:

"This message applies only to students receiving financial aid: Federal regulations state that if a student did not attend classes and received failing grades, then the grades were not earned and financial aid needs to be reduced accordingly. Please be advised that any student receiving a 0.00 GPA will be required to prove that the 0.00 GPA was earned by attending classes or completing requirements for each class. Students who have earned at least one passing grade for the semester will not be affected by this regulation. If a student has properly withdrawn from all classes, the student's financial aid should be adjusted from the time they signed the withdrawal form."

Course number, name, CRN number, and credit hours: **Math 2200, Elementary Statistics, crn 80032 and 80035, 3-0-3**

Academic Semester and Year: **Fall Semester 2018**

Meeting Days & Times: **Cartersville Campus, Academic Building**
- 80035  Mondays & Wednesdays, 9:30 am – 10:45 am, room 222
- 80032  Mondays & Wednesdays 11:00 am – 12:15 pm, room 222

Withdrawal Date (Last day to withdraw with a "W") **The last day to drop the class and possibly receive a "W" is Monday, October 22, 2018.** After this date, a "W" may be issued only in cases of documented hardship (which does not include performing poorly in this class). Applications for hardship withdrawal may be obtained in the center office.

Prerequisites, if any: **MATH 1001/MATH 1111**

Course Description (from GHC Catalog): **This is a basic course in statistics at a level which does not require knowledge of calculus. Statistical techniques needed for research in many different fields are presented. Course content includes descriptive statistics, probability theory, hypothesis testing, ANOVA, Chi-square, regression, and correlation.**

Instructor Name, Phone number, E-mail address, office number and office hours: **Laura Ralston, 678-872-8115, Cartersville Academic Building Room 337, lralston@highlands.edu;**

<table>
<thead>
<tr>
<th>Days</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>1:00 pm – 4:00 pm</td>
</tr>
<tr>
<td>Tuesday</td>
<td>9:00 am – 10:00 am ONLINE ONLY</td>
</tr>
<tr>
<td>Wednesday</td>
<td>1:00 pm – 3:00 pm, 3:00 pm – 4:00 pm (College &amp; Career Center, next to Security)</td>
</tr>
<tr>
<td>Thursday</td>
<td>1:00 pm – 3:00 pm ONLINE ONLY</td>
</tr>
<tr>
<td>Sunday</td>
<td>9:00 pm – 10:00 pm ONLINE ONLY</td>
</tr>
</tbody>
</table>

Other office hours are available by appointment. Office hours are subject to change without notice. Students are strongly encouraged to schedule a meeting with the instructor whenever necessary to discuss course policies or course material.
Student Learning Outcomes:

GOAL: Students will use appropriate models and quantitative methods to analyze data, explore relationships among variables, and find missing information.

Student Learning Outcomes1

- Students will be able to solve equations.
- Students will be able to interpret information presented graphically.
- Students will be able to calculate rates of change and interpret its meaning using multiple representations.
- Students will be able to model scenarios or data mathematically to solve quantitative problems.
- Students will be able to use technology appropriately.
- Students will be able to apply logical, mathematical reasoning.
- Students will be able to interpret measures of central tendency, measures of variation, or measures of position.

Grading System: Grade in the course will be determined using a point-based system involving several categories of assessments:

<table>
<thead>
<tr>
<th>Homework in D2L (14)</th>
<th>10 points each</th>
<th>140 points total</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEST four of five exam grades (includes 4 module exams and comprehensive final exam)</td>
<td>150 points each</td>
<td>600 points total</td>
</tr>
<tr>
<td>Projects in D2L (6)</td>
<td>10 points each</td>
<td>60 points</td>
</tr>
</tbody>
</table>

GRAND TOTAL 800 possible points total

A letter grade will be assigned based on the total number of points that you earn. The following scale will be used:

<table>
<thead>
<tr>
<th>Course Grade</th>
<th>Your Total Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>720-800</td>
</tr>
<tr>
<td>B</td>
<td>640-719</td>
</tr>
<tr>
<td>C</td>
<td>560-639</td>
</tr>
<tr>
<td>D</td>
<td>480-559</td>
</tr>
<tr>
<td>F</td>
<td>Below 479</td>
</tr>
</tbody>
</table>

The official course grades in the course are those posted in the Desire To Learn (D2L) grade book. However, these grades will vary on a continuous basis as your professor adds in scores that you have earned and updates grading formula. Your final official course grade will only be reported in the GHC Banner system at the end of the term.

Students who simply quit attending class without officially withdrawing will receive a grade of F% in the course.

Students should bring a TI-83 Plus or equivalent to all class sessions.

Homework: Homework for this course is within the Desire to Learn (D2L) learning management system. Within D2L, select Assessments, Quizzes. There are 14 homework assignments to be completed. Each assignment is worth 10 points. You have TWO attempts to complete the homework. Only the highest score will be recorded in the gradebook.
There are also Practice Problems within D2L under Assessments, Quizzes, scroll down to bottom of list. These practice problems are NOT for a grade and you are not required to complete them. However, these practice problems will help to reinforce the material and help you review for the module exams and final exam.

Projects: **There are 6 projects throughout the modules in D2L. You have only one attempt to complete each project. Each completed project is worth 10 points and will be submitted in hard copy format to the instructor.** The projects are intended to help you apply the material you are learning.

Module Exams/Final Exam: **There will be a written in-class exam, with the exception of Module 3 exam, for each module. Each module exam is worth 150 points. The module exams will cover information from lectures, homework, and projects. The final exam will be comprehensive and cover material from all four modules. The final exam is worth 150 points. If you take all 4 module exams and are happy with your overall course grade, you have the option to forego the final exam.**

Late Work Policy: **No late work is accepted in this course. Please plan accordingly and complete your work on time. No late work will be accepted. If you have a life changing event and your work is late, you have to provide documentation in your request. An extension will not be considered unless documentation is provided when the request is made. Losing internet access, taking a vacation, or forgetting to do an assignment is not a life changing event. Please use the course outline, announcements, and calendar to help you stay on track.**

Attendance Policy: **Students are expected to attend each and every scheduled class session. Since lectures begin promptly at the scheduled time, students are encouraged to avoid arriving late to class. Roll will be taken at each class session. There is no distinction between "excused" and "unexcused" absences.**

Extended Absence Policy: **Students, who have circumstances that prevent them from continuing to attend classes over an extended period of time, sometimes request that the faculty member permit them to submit work in absentia to receive credit to complete the course. If the concurrent absences will constitute more than 15% (5 class meetings) of the class sessions for the term, then written permission from the Division Chair is required before any course assignments can be completed while missing class. The student must be in good academic standing in the course to make the request. All approved coursework must be completed by the end of the semester in which the course was begun (NOTE: If a program has a more stringent absence policy than this, then the program policy prevails.)**

Early Warning Program: **Georgia Highlands College requires that all faculty members report their students' progress throughout the semester as part of the institution-wide Early Warning Program (EWP). The objective of the program is to support academic success by reviewing early indicators of satisfactory student progress. In accordance with EWP, faculty members provide the Registrar's Office with academic reports of each student enrolled in their course(s) at checkpoints**

- Attendance  Thursday, August 30, 2018
- Course Progress (S/U)  Monday, October 1, 2018
- Withdrawal Deadline  Monday, October 22, 2018

Textbooks and other required books, supplies, supplementary materials, etc.

- **FREE Online Textbook:** OpenStax Introductory Statistics  
  [https://openstax.org/details/introductory-statistics](https://openstax.org/details/introductory-statistics)  This text can be
accessed online, downloaded as a PDF, or downloaded as html files for FREE. Students can also purchase a low-cost physical copy of the text directly from the publisher.

- **TI-83 or TI-84 Calculator:** Students are required to use their calculator while participating in lecture, on homework, tests, and final exam. 
  
  *Each student taking this course needs access to a TI-83 or equivalent graphing/scientific calculator. Students will use their calculator while participating in class, taking exams, and completing homework exercises. Please note that sharing calculators during graded assignments is not permitted.*

- **Access to Desire to Learn, e-mail and Internet resources---Your GHC email account is the official form of communication**

Course Outline (Course Contents): **This course will cover selected sections in Chapter 1: Sampling and Data, Chapter 2: Descriptive Statistics, Chapter 3: Probability Topics, Chapter 6: The Normal Distribution, Chapter 8: Confidence Intervals, Chapter 9: Hypothesis Testing with One Sample, Chapter 11: The Chi-Square Distribution, Chapter 12: Linear Regression and Correlation, and Chapter 13: The F-Distribution and One-Way ANOVA**

Assignments: **Assignments will be given in class, e-mailed to you, and provided on the web as a separate document, at the discretion of the instructor. You are expected to STUDY, to work problems, to read the assigned material and to come prepared to class. An opportunity to ask questions will be provided each class meeting.**

Policies on student conduct and academic integrity: **Cheating (or even the appearance of cheating) will not be tolerated in this course. If the instructor suspects a student of cheating, the instructor will notify the student of the allegations outside of class. Then, the allegations will be referred to the Director of Student Life for appropriate action. The procedures and penalties implemented both by the instructor and the Director of Student Life shall be in accordance with the college's Academic Integrity Policy, which can be accessed at the following URL:**

http://www.highlands.edu/site/student-rights

Disability Statement: **If you feel that you need accommodation(s) due to a disability, please feel free to discuss this with me early in the semester. Georgia Highlands College has resources available for students with certain disabilities. Accommodations (such as providing materials in alternative formats, assuring physical access to classrooms, or being sensitive to interaction difficulties that may be posed by communication and/or learning disabilities) may be made through Student Support Services (SSS) on all campuses. For more information, please contact 706-295-6336.**

http://www.highlands.edu/site/sss-disability-support

Financial Aid Statement: **This message applies only to students receiving financial aid:** Federal regulations state that if a student did not attend classes and received failing grades, then the grades were not earned and financial aid needs to be reduced accordingly. **Please be advised that any student receiving a 0.00 GPA will be required to prove that the 0.00 GPA was earned by attending classes or completing requirements for each class.** Students who earned at least one passing grade for the semester will not be
affected by this regulation. If a student has properly withdrawn from all classes, the student’s financial aid should be adjusted from the time they signed the withdrawal form.

Children on Campus Policy: Children of currently enrolled students are allowed on campus only with the direct supervision of that parent. Children will not be allowed to roam the campus or be left unattended by their parent at any time nor at any location. Children may be present in an academic class or lab only with the advanced permission of the instructor. The attending parent will assume responsibility for the behavior of the child. Children are to follow the same conduct rules of reasonable behavior that apply to regular Georgia Highlands students.

http://www.highlands.edu/site/policy-and-procedure-manual-section-7-ii

Weapons Policy: (from the GHC Student Handbook) Using or possessing a weapon on campus or at a college-sponsored activity, without authorization is prohibited. A weapon may mean any object or substance designed to inflict an injury or incapacitate another person. A weapon may be a firearm, a knife or any object or device designed for offense or defense; or other item considered as a weapon by local, state or federal statutes.

O.C.G.A § 16-11.127.1 allows valid firearms license holders (aged 21 and over) to store weapons in a motor vehicle parked on campus if the weapon is kept in a locked compartment, locked container, or locked firearms rack within the vehicle.

Effective July 1, 2017, HB 280 Amended O.C.G.A § 16-11.127.1 to allow for concealed carry for valid firearms license holders (aged 21 and over) and the ability to carry handguns in some areas on college campuses. It is the responsibility of the holder of the valid firearms license to understand and comply with the established legal restrictions that prohibit possession of a firearm in specific college areas, rooms, offices, or buildings specified in the Amended Code. For further guidance on HB 280 Campus Carry, visit: http://www.usg.edu/hb280

HB 792 Exception: Any person who is 18 years of age or older or currently enrolled in classes on the campus in question and carrying, possessing, or having under such person’s control an electroshock weapon while in or on any building or real property owned by or leased to such public technical school, vocational school, college or university or other public institution of postsecondary education; provided, however, that, if such person makes use of such electroshock weapon, such use shall be in defense of self or others. The exemption under this paragraph shall apply only to such person in regard to such electroshock weapon. As used in this paragraph, the term 'electroshock weapon' means any commercially available device that is powered by electrical charging units and designed exclusively to be capable of incapacitating a person by electrical charge, including, but not limited to, a stun gun or Taser as defined in subsection (a) of Code Section 16-11-106.


Tobacco Free Campus Policy: Georgia Highlands College prohibits the use of tobacco products on any property owned, leased, or controlled by GHC. All faculty, staff, students, visitors, vendors, contractors, and all others are prohibited from using any tobacco products (i.e., cigarettes, e-Cigarettes, cigars, smokeless tobacco, snuff, chewing tobacco, etc.) while on GHC property.

Early Grades Statement: Georgia Highlands College offers a variety of part-term classes to allow students to have flexible schedules. However, there are only three
semesters each year: Spring, Summer, and Fall. It is ONLY at the end of each semester that grades are rolled to academic history and become available on the official college transcript. After each part-of-term, as soon as instructors have entered grades, they may be viewed online through SCORE. Transcripts may also be requested at any time by logging into SCORE. Prior to end of term, if a student needs an early grade letter sent to another institution, student may complete a request form and submit it to the Registrar's Office for processing. Please contact Registrar's Office at registrar@highlands.edu if you need any assistance.

http://www.highlands.edu/site/registrar-forms

Other: Please turn cell phone on VIBRATE.

Note: We will have a lot of material to learn in this course and we will have to move swiftly. Do NOT fall behind. Be sure to take advantage of the Tutorial Center if you need it. Other classmates will also prove to be valuable resources.

NO FOOD OR DRINK IS ALLOWED IN ANY GEORGIA HIGHLANDS CLASSROOM.

The instructor reserves the right to change the above plans as circumstances warrant.
<table>
<thead>
<tr>
<th>Date</th>
<th>Sections</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 20, 2018</td>
<td>Review Class Policies and Syllabus</td>
<td>Send Mr. Griffin an email verifying that you reviewed the syllabus and class schedule in D2L. Gain access to WebAssign and the eBook.</td>
</tr>
<tr>
<td>August 22, 2018</td>
<td>Sec. 1.1</td>
<td>p. 60  42-52 all</td>
</tr>
</tbody>
</table>
| August 27, 2018  | Sec. 1.2, Sec. 1.3                | p. 61  53-64 all, 71-73 all  
|                  |                                   | p. 64  80-86 all                                                                                 |
| August 29, 2018  | Sec. 1.4, Sec. 2.1                | p. 67  87-89 all                                                                                 
|                  |                                   | p. 147  74, 75                                                                                  |
| September 3, 2018| Labor Day Holiday                 | No Class                                                                                        |
| September 5, 2018| Sec. 2.2                          | p. 150  76-81 all                                                                               |
| September 10, 2018| Sec. 2.3, Sec. 2.4               | p. 140  23-33 all, 31 and p. 154  82, 83  
|                  |                                   | p. 155  84-87 all                                                                               |
| September 12, 2018| Sec. 2.5, Sec. 2.6               | p. 141  43-48 all                                                                                 
|                  |                                   | p. 142  52-64 all                                                                               |
| September 17, 2018| Review for Exam #1               | Study for the Exam                                                                               |
| September 19, 2018|                                | EXAM #1                                                                                         |
| September 24, 2018| Sec. 2.7                          | p. 145  69-72 all and p. 160  104, 105                                                          |
| September 26, 2018| Sec. 3.1                          | p. 223  2-5 all, 12-23 all, p. 234  101-104 all                                                  |
| October 1, 2018  | Sec. 6.1, Sec. 6.2                | p. 393  8-39 all and p. 397  63, 64, 66  
|                  |                                   | p. 395  48-59 all and p. 398  70-72 all, 79                                                    |
| October 3, 2018  | Sec. 7.1, Sec. 8.1                | p. 435  1-6 all and p. 439  63, 64, 65  
<p>|                  |                                   | p. 485  6-22 all and p. 491  96, 97                                                           |</p>
<table>
<thead>
<tr>
<th>Date</th>
<th>Sections</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 8, 2018</td>
<td>Sec. 8.2</td>
<td>Test Dates and Book-based Homework Assignments are below. Page numbers refer to the PDF page number in upper left corner of the PDF reader for the PDF version of the textbook posted in D2L. You may enter the number and jump directly to the page with the questions. Graded homework assigned online within D2L.</td>
</tr>
<tr>
<td>October 10, 2018</td>
<td>Review for Exam #2</td>
<td>Study for the Exam</td>
</tr>
<tr>
<td>October 15, 2018</td>
<td></td>
<td>Exam #2</td>
</tr>
<tr>
<td>October 17, 2018</td>
<td>Sec. 9.1</td>
<td>p. 545 8, 9 and p. 549 65</td>
</tr>
<tr>
<td></td>
<td>Sec. 9.2</td>
<td>p. 545 11-20 all and p. 549 68-71 all</td>
</tr>
<tr>
<td>October 22, 2018</td>
<td>Sec. 9.3</td>
<td>Monday, October 22, 2018 is the last day to withdraw without grade penalty from a full-session Fall 2018 course.</td>
</tr>
<tr>
<td></td>
<td>Sec. 9.4</td>
<td>p. 545 21-25 all and p. 550 72</td>
</tr>
<tr>
<td></td>
<td></td>
<td>p. 546 32-40</td>
</tr>
<tr>
<td>October 24, 2018</td>
<td>Sec. 9.5</td>
<td>p. 547 48-61 excluding 51 and 57</td>
</tr>
<tr>
<td></td>
<td></td>
<td>p. 551 74-80 all, 85</td>
</tr>
<tr>
<td></td>
<td></td>
<td>p. 554 101, 102, 104, 112, 113, 115, 116</td>
</tr>
<tr>
<td>October 29, 2018</td>
<td>Sec. 11.1</td>
<td>p. 660 1-13 all and p. 666 69-73 all, 77</td>
</tr>
<tr>
<td></td>
<td>Sec. 11.2</td>
<td></td>
</tr>
<tr>
<td>October 31, 2018</td>
<td>Review for Exam #3</td>
<td>Study for the Exam</td>
</tr>
<tr>
<td>November 5, 2018</td>
<td></td>
<td>Exam #3</td>
</tr>
<tr>
<td>November 7, 2018</td>
<td>Sec. 12.1</td>
<td>p. 721 4-8 all, 10-16 all</td>
</tr>
<tr>
<td></td>
<td>Sec. 12.2</td>
<td>p. 723 17-19 all and p. 728 59, 60</td>
</tr>
<tr>
<td></td>
<td>Sec. 12.3</td>
<td>p. 724 20-27 all and p. 729 64-66 all</td>
</tr>
<tr>
<td>November 12, 2018</td>
<td>Sec. 12.4 (Method 2 Only)</td>
<td>p. 729 67, 68</td>
</tr>
<tr>
<td></td>
<td>Sec. 12.5</td>
<td>p. 725 31-35 all and p. 732 70, 72</td>
</tr>
<tr>
<td></td>
<td>Sec. 12.6</td>
<td>p. 727 51-54 all and p. 735 74, 76, 77, 79</td>
</tr>
<tr>
<td>Date</td>
<td>Sections</td>
<td>Details</td>
</tr>
<tr>
<td>---------------</td>
<td>---------------------------------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>November 14, 2018</td>
<td>Review Regression and Correlation</td>
<td>Continue with problems above</td>
</tr>
<tr>
<td>November 19, 2018</td>
<td>Thanksgiving Holiday</td>
<td>No Class</td>
</tr>
<tr>
<td>November 21, 2018</td>
<td>Thanksgiving Holiday</td>
<td>No Class</td>
</tr>
<tr>
<td>November 26, 2018</td>
<td>Sec. 13.1 Sec. 13.2</td>
<td>p. 764 9-23 all</td>
</tr>
<tr>
<td>November 28, 2018</td>
<td>Sec. 13.3</td>
<td>p. 764 24-39 all</td>
</tr>
<tr>
<td>December 3, 2018</td>
<td>Review for Exam #4</td>
<td>Study for the Exam</td>
</tr>
<tr>
<td>December 5, 2018</td>
<td></td>
<td>Exam #4</td>
</tr>
<tr>
<td>December 10, 2018</td>
<td>Last Day of Class</td>
<td>Study for the Final Exam</td>
</tr>
<tr>
<td>December 12, 2018</td>
<td>Final Exam</td>
<td>11:00 am - 1:30 pm</td>
</tr>
</tbody>
</table>

Test Dates and Book-based Homework Assignments are below. Page numbers refer to the PDF page number in upper left corner of the PDF reader for the PDF version of the textbook posted in D2L. You may enter the number and jump directly to the page with the questions.

Graded homework assigned online within D2L.
Course: MATH 2200, Elementary Statistics, 3-0-3

CRN 80046, Monday/Wednesday, 11:00 am -12:15 pm
Room 132, Douglasville Instructional Site

CRN 80063, Tuesday/Thursday 11:00 am - 12:15 pm
Room G-106, Marietta Instructional Site

Course Description:
This is a basic course in statistics at a level which does not require knowledge of calculus. Statistical techniques needed for research in many different fields are presented. Course content includes descriptive statistics, probability theory, hypothesis testing, ANOVA, Chi-square, regression and correlation.

Prerequisites: MATH 1001 or MATH 1111

Instructor: Brent Griffin

Office Location and Office Hours:

<table>
<thead>
<tr>
<th>Instructional Site Location: Norton Hall 224</th>
</tr>
</thead>
<tbody>
<tr>
<td>Douglasville Instructional Site Location: Hub Area Faculty Office</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Instructional Site</th>
<th>Days</th>
<th>Office Hour Times</th>
</tr>
</thead>
<tbody>
<tr>
<td>Douglasville Site</td>
<td>Monday &amp; Wednesday</td>
<td>10:00 am – 11:00 am 3:15 pm – 4:15 pm</td>
</tr>
<tr>
<td>Marietta Site</td>
<td>Tuesday &amp; Thursday</td>
<td>7:30 am – 8:00 am 9:00 am – 11:00 am 12:15 pm – 1:00 pm</td>
</tr>
</tbody>
</table>
Please note that additional office hours are available by appointment. Students are strongly encouraged to schedule meetings with the instructor to discuss class policies or course material.

Contact Information:

| Direct Number to Mr. Griffin's Office | 678.872.8524 |
| Norton Hall 224, Marietta Site         |            |
| Marietta Site                          | 678.872.8501 |
| Douglasville Site                      | 678.872.4200 |
| Mathematics Division, Cartersville Site | 678.872.8099 or math@highlands.edu |
| Email Address                          | bgriffin@highlands.edu |
| Web Address                            | http://www.highlands.edu/site/faculty-Brent-Griffin |

Textbook:

Introductory Statistics, 1st edition, Barbara Illowsky, Susan Dean, OpenStax College, Rice University

Link to free textbook: https://openstax.org/subjects/math

Note that the printed textbook is optional, but is available from the GHC bookstore or directly from OpenStax.

Required Technology: Access to D2L Homework

TI-83/84 or equivalent graphing calculator

Access to Microsoft Excel
Calculator Requirement:

Each student taking this course needs access to a TI-83/84 or equivalent graphing calculator. Students will use their calculator while participating in class, taking exams, and completing homework exercises.

Please note that sharing calculators during graded assignments or exams is not permitted. Additionally, the instructor will not loan calculators to students during in-class, graded assignments.

Course Content:

Selected sections from chapters 1-13. (Please refer to the Homework Assignment List/Class Schedule for more specific information regarding course content.)

Grading Policies:

Four exams, two take-home projects and a comprehensive final exam will be given during the semester. Each exam will count 100 points, each take-home project will count 50 points and the comprehensive final exam will count 200 points.

In addition, students are required to complete homework assignments within D2L worth an additional 100 points.

Students’ averages for the semester will be based on a total of 800 points (400 points from the exams, 100 points from the take-home projects, 200 points from the final exam, and 100 points from the WebAssign homework). The grading scale is as follows:

- A: 90% or above
- B: 80%—90%
- C: 70%—80%
- D: 60%—70%
- F: Below 60%

Students are encouraged to retain copies of all graded coursework returned during the semester. The coursework will aid students in preparing for the final exam and will serve as evidence of academic performance throughout the semester.

The instructor retains the prerogative of altering the above plans as circumstances dictate.

Class Attendance, Homework, Make-up Exams and Exam Replacement Policy:

Students are expected to attend each and every scheduled class session. Since lectures begin promptly at the scheduled time, students are encouraged to avoid arriving late to class. Roll will be taken at the beginning of each class session.
Homework may be assigned from the textbook and through D2L. The D2L homework is an important part of students’ grades for the semester. Completing the book-based homework provides students with additional practice focused on preparation for the exams.

Exam dates are scheduled early in the semester, and students are required to test on the established dates. Students who know well in advance that they will be absent on a scheduled exam date may request to take an exam early. Otherwise, students absent for an exam will be allowed to make up the work only under extreme circumstances. In other words, make-up exams will not be administered if students do not contact the instructor IN ADVANCE of the originally scheduled exam date and receive permission to test on a different day.

Again, students must make alternate arrangements with the instructor PRIOR TO THE SCHEDULED EXAM DATE.

At the end of the semester all students have the option of replacing their lowest exam grade (including any missed exams) with their percentage average on the comprehensive final exam. If a student misses an exam without making arrangements with the instructor in advance, that exam grade will be replaced by the final exam average. At most one exam grade will be replaced. The instructor will automatically apply this replacement policy, if it positively impacts a student’s average, when calculating final grades.

Students will receive a grade of zero for additional missed exams (i.e., for exams missed beyond the first one without making arrangements with the instructor in advance).

The D2L homework grade and the take-home project grades will not be replaced under any circumstances.

While homework may be completed after the due date for full credit, the final day and time to access homework within D2L is 11:59 pm on Wednesday, December 12, 2018.

Take-home projects submitted after the due date will be accepted, if the key to the project has not been posted online. After the key to a project is posted, the project will no longer be accepted for a grade. The final grade for the any late project will be reduced by 20% of the total number of points available for the project for each class session the project is late. For example the final grade for a project worth 50 points turned in two class sessions late would be reduced by 20 points (20% of 50 multiplied by 2).

Uncompleted take-home projects will count as a zero in the calculation of students’ averages.

Additional Academic Policies:

Students are strongly encouraged to use computer software, Internet resources, and calculators throughout this course. Students must check GHC email and D2L, the college’s learning management system, on a regular basis. Course information, take-home assignments, review sheets for exams, and exam keys will be distributed using email and online resources.
If a student stops attending class without officially withdrawing, the student will receive a grade of F or F$ in the class.

The last day for officially withdrawing from any class without grade penalty is published by the college Registrar’s office. Withdrawals without grade penalty after the published withdrawal date are subject to approval by the Vice President for Academic Affairs and will be issued only in cases of extreme emergency or hardship.

The last day to withdraw from a full session course Fall Semester 2018 is Monday, October 22, 2018.

Student Learning Outcomes:

Students completing this course should satisfy the following general education goal and learning outcomes.

Goal: Students will use appropriate models and quantitative methods to analyze data, explore relationships among variables, and find missing information.

Student Learning Outcomes:

- Students will be able to solve equations.
- Students will be able to solve inequalities.
- Students will be able to graph functions.
- Students will be able to interpret information presented graphically.
- Students will be able to express numbers appropriately in a variety of ways based on context.
- Students will be able to rewrite algebraic expressions appropriately in a variety of ways based on context.
- Students will be able to use set notation in context.
- Students will be able to calculate rates of change using multiple representations.
- Students will be able to interpret rates of change using multiple representations.
- Students will be able to model scenarios or data mathematically to solve quantitative problems.
- Students will be able to use technology appropriately.
- Students will be able to apply logical, mathematical reasoning.
- Students will be able to interpret measures of central tendency, measures of variation, or measures of position.
- Students will be able to perform tests of statistical significance and interpret the test results appropriately.

Early Warning Program:
Georgia Highlands College requires that all faculty members report their students' progress throughout the course of the semester as part of the institution-wide Early Warning Program (EWP). The objective of the program is to support academic success by reviewing early indicators of satisfactory student progress. In accordance with EWP, faculty members provide the Registrar's Office with academic reports of each student enrolled in their course(s) at checkpoints staggered throughout the semester. The following success factors are reported at their corresponding checkpoint:

Week 2: Notification of Non-attendance

Week 6: Satisfactory or Unsatisfactory Progress

Posting Grades to Academic History/Requesting Early Grades:

GHC offers a variety of part-of-term classes to allow our students to have flexible schedules. However, there are only three Semesters each year; Spring, Summer and Fall. It is only at the end of each Semester that grades are rolled to academic history and available on the official transcript. After each part-of-term, as soon as Instructors have entered grades, they may be viewed online by logging into the SCORE (https://discovery.highlands.edu:9986/pls/SCORE/twbkwbis.P_WWWLogin).

Transcripts may also be requested at any time by logging into the SCORE. Prior to the end of term, should a student need an early grade letter sent to another institution they may complete the request form and submit it to the Registrar's Office for processing (http://www.highlands.edu/site/registrar-forms). Please contact the Registrar's Office at registrar@highlands.edu if you need any assistance.

Time Limits on Exams:

Students are expected to complete the in-class exams in a timely fashion. It is imperative that students prepare adequately in advance of the exams in order to work quickly and efficiently during the tests. Students will have 1 hour 15 minutes to complete the in-class exams and 2 hours 30 minutes to complete the final exam. After time has elapsed the instructor will inform students that time has expired for the exam and allow an additional five minutes for students to finish their work and turn in their papers. **Exams not turned in by the end of the five minute time-frame will not be accepted by the instructor, resulting in a grade of zero being issued for the exam.**

Students will not be allowed extra time to complete exams or other in-class graded assignments without documentation regarding a disability from the college's Disability Support office (Student Support Services). For more information regarding the Disabilities Support, please see the paragraph later in this document.

Academic Dishonesty:

Cheating will not be tolerated in this class. If the instructor suspects a student of cheating, the instructor will notify the student of the allegations outside of class. The allegations will be referred to Student Life for appropriate action. The procedures and penalties implemented both by the instructor and Student Life shall be in accordance with the college's Academic Integrity Policy. The policy can be accessed on-line at
Student Rights and Responsibilities, Conduct, and Judicial Affairs:

Students are bound by the GHC Student Code of Conduct, available at

https://www.highlands.edu/student-life/judicial/

Cell Phone & Audio/Video Recording Policies:

Cell phones must be turned off, placed in vibrate mode, or silenced and stored throughout class and during exams. If you wish to use your phone during class for an academic purpose, prior permission from the instructor is required. Otherwise, if you need to use your phone during class (for talking, texting, or browsing the web), please leave the classroom. You may return after the completion of your conversation, as long as classroom disruptions are kept to a minimum.

Use of cameras, including cell phone cameras and other video and audio recording devices, during class is prohibited without prior permission from the instructor.

Student Support Services (Disability Support):

If you need an accommodation due to a disability, please feel free to discuss this with the instructor early in the term. Georgia Highlands College has resources available for students with certain disabilities. Accommodations may be made (such as providing materials in alternative formats, assuring physical access to classrooms or being sensitive to interaction difficulties that may be posed by communication and/or learning disabilities) through Student Support Services on all campuses. For more information please contact: Cartersville 678-872-8004; Douglasville and Floyd 706-368-7536; Marietta 678-872-8505; Paulding 678-946-1029.

Tobacco Policy (GHC is a Tobacco-Free Campus):

Georgia Highlands College prohibits the use of tobacco products on any property owned, leased, or controlled by GHC. All faculty, staff, students, visitors, vendors, contractors, and all others are prohibited from using any tobacco products (i.e., cigarettes, eCigarettes, cigars, smokeless tobacco, snuff, chewing tobacco, etc.) while on GHC property.

Special Note to Students Receiving Financial Aid:

This message applies only to students receiving financial aid: Federal regulations state that if a student did not attend classes and received failing grades, then the grades were not earned and financial aid needs to be reduced accordingly. **Please be advised that any student receiving a 0.00 GPA will be required to prove that the 0.00 GPA was earned by attending classes or completing requirements for each class.** Students who have earned at least one passing grade for the semester will not be affected by this regulation. If a student has properly withdrawn from all classes, the student’s financial aid should be adjusted from the time they signed the withdrawal form.

Extended Absence Policy:
Students, who have circumstances that prevent them from continuing to attend classes over an extended period of time, sometimes request that the faculty member permit them to submit work in absentia to receive credit to complete the course. If the concurrent absences will constitute more than 15% of the class sessions for the term, then written permission from the Academic Dean is required before any course assignments can be completed while missing class. The student must be in good academic standing in the course to make the request. All approved coursework must be completed by the end of the semester in which the course was begun.

**Inclement Weather Policy and Emergency Closings:**

When inclement weather creates a condition under which there might be a question of whether the College will operate on a normal basis, the President, or a designated official will release to each campus and local news media a statement concerning the College schedule. If the weather condition occurs during working hours, the statement will be released through normal distribution channels on campus. Media statements regarding the college's schedule may also be distributed through the school website, GHC Notify, or on local radio and television stations.

Weather-related and other emergency closing information will be posted at http://www.highlands.edu. Students may also sign up for an online or text messaging emergency alert system through www.highlands.edu/connect.

**Children on Campus Policy:**

Children of currently enrolled students are allowed on campus only with the direct supervision of that parent. Children will not be allowed to roam the campus or be left unattended by their parent at any time nor at any location. Children may be present in an academic class or lab only with the advanced permission of the instructor. The attending parent will assume responsibility for the behavior of the child. Children are to follow the same conduct rules of reasonable behavior that apply to regular Georgia Highlands students. http://www.highlands.edu/site/policy-and-procedure-manual-section-7-ii

**Weapons Policy:**

For guidance on HB280 Campus Carry, please link to the USG website www.usg.edu/hb280.


Excerpt from GHC Student Handbook – Code of Conduct: List of prohibited actions/behaviors

Using or possessing a weapon on campus or at a college-sponsored activity, without authorization. A weapon may mean any object or substance designed to inflict an injury or incapacitate another person. A weapon may be a firearm, a knife or any object or device designed for offense or defense; or other item considered as a weapon by local, state or federal statutes.
O.C.G.A § 16-11.127.1 allows valid firearms license holders (aged 21 and over) to store weapons in a motor vehicle parked on campus if the weapon is kept in a locked compartment, locked container, or locked firearms rack within the vehicle.

Effective July 1, 2017, HB 280 Amended O.C.G.A § 16-11.127.1 to allow for concealed carry for valid firearms license holders (aged 21 and over) and the ability to carry handguns in some areas on college campuses. It is the responsibility of the holder of the valid firearms license to understand and comply with the established legal restrictions that prohibit possession of a firearm in specific college areas, rooms, offices, or buildings specified in the Amended Code.

HB 792 Exception: Any person who is 18 years of age or older or currently enrolled in classes on the campus in question and carrying, possessing, or having under such person's control an electroshock weapon while in or on any building or real property owned by or leased to such public technical school, vocational school, college or university or other public institution of postsecondary education; provided, however, that, if such person makes use of such electroshock weapon, such use shall be in defense of self or others. The exemption under this paragraph shall apply only to such person in regard to such electroshock weapon. As used in this paragraph, the term 'electroshock weapon' means any commercially available device that is powered by electrical charging units and designed exclusively to be capable of incapacitating a person by electrical charge, including, but not limited to, a stun gun or Taser as defined in subsection (a) of Code Section 16-11-106.

In Conclusion:

As your instructor, it is my responsibility to organize and teach this course to the best of my ability. Please feel free to ask questions about the course material and course policies in class, during office hours or by email.

As a student, it is your responsibility to prepare for and attend class, complete homework assignments and projects in a timely fashion, study for exams, ask questions in class, and seek tutorial assistance outside of class as necessary. It is also your responsibility to display respect for your classmates by maintaining a professional, non-disruptive attitude during class.

If you have any questions, comments, or concerns during the semester, please communicate with me by email, phone or in person.