Welcome to my MATH 3210 WEB Mathematics for Business and Economics course. This course is taught completely online. We do not meet face-to-face. It gives you the opportunity to manage the time and place for attending class. However, the homework, assignments, quizzes, and tests must be completed by a deadline. This course has a definite beginning and ending dates. You must dedicate at least ten hours per week to this course. This is the same requirement for face-to-face Elementary Statistics Students (3 hours of class time + at least 7 hours of preparation). You must be self-disciplined.

Text Book: What text book do you need for this course?


If you purchase a used textbook, the code will not be included and must be purchased separately. It is more cost effective to purchase the code with the text. If you purchased and used a MyStatLab code during a previous semester at GRU, you may qualify for a replacement code.

Calculator: What calculator do you need for this course?

⇒ The TI-83, TI-83+, TI-84, TI-84+, OR TI-84 silver edition is required for this course.

The TI-92, TI-89, and other calculators that use a computer algebra system are not allowed. Cell phone calculators, PDA’s, and similar devices are not allowed.

COMPUTER: You can use MICROSOFT EXCEL in this course.
Course Objectives:

A description of the applications of linear models, simple non-linear models, applied probability, and selected topics from calculus. Additional topics may include a discussion of quadratic models, conditional probability, Bayes’ Theorem, and Markov Chains.

LEARNING OUTCOMES:

The principal learning outcomes of this course are to have each student develop and demonstrate knowledge and basic skills related to:

1. developing one variable linear and simple non-linear models and applying their solutions in mathematical modeling;
2. performing basic operations on matrices and applying matrices to problems in business and economics;
3. solving systems of linear equations using algebraic and matrix techniques;
4. formulating and solving linear programming problems;
5. solving problems involving simple and compound interest;
6. demonstrating facility with exponential and logarithmic functions by developing and solving applied models;
7. applying probability to decision models;
8. demonstrating understanding of the concept of derivatives and their application

Course Content: What Chapters (& Sections) will be covered in this course?

Chapter-2: Sections 2.2 and 2.3 only
Chapter-3: Sections 3.1 to 3.4
Chapter-4: Sections 4.1 to 4.4
Chapter-5: Sections 5.1 to 5.4
Chapter-6: Sections 6.1 to 6.6
Chapter-7: Sections 7.1 to 7.5
Chapter-8: Sections 8.5 and 8.6 only
Chapter-9: Section 9.5 and 9.6 only
Chapter-10: Sections 10.2 and 10.3 only
Chapter-11: Sections 11.1 to 11.5
Course Grade: How is your final grade determined in this course?

- Participation and Attendance (5%)  (On-time submission of tests & home works)

- Graded Homework (25%)  Total of 8 homework assignments.
  You may attempt a homework assignment twice before the due date. Questions are mostly of multiple-choice and fill-in the blank types and essay(problem solving) types. Your lowest homework score will be replaced by the average of 8 homework scores. Your homework scores weigh 25% towards the course grade.

- Tests (25%)  Total of 4 Tests
  You may attempt each test twice. Computer may generate a totally different set of questions at each attempt. No two students will get the same questions as the questions are algorithmically generated. The highest score will be retained for each test. All tests are timed. You will not be allowed to take a make-up test. A missed test will receive a grade of zero; however, your lowest test grade will be replaced by the average of 4 test scores. Questions are of multiple-choice, fill-in the blank, and essay(problem solving) types. Your tests weigh 25% towards the course grade.

If you receive services according GRU's Office of Disability Services, contact your instructor for testing guidelines at least 24 hours before attempting a test. If you need help, please contact me.

- Final Exam (45%)

  The final exam is a cumulative exam. The final exam must be taken on campus during the designated time. It is a two-hour exam. Questions are of essay type (problem solving type, like instructor-created questions) only. You can use your graphing calculator or EXCEL. The room number for the final exam will be announced later. Your final exam weighs 45% towards the course grade. You will receive an “F” grade if you miss the final exam.

If you receive services according to GRU's Office of Disability Services, contact your instructor for testing guidelines at least 24 hours before attempting the final exam.

Academic Honesty:

Read and adhere to the policy concerning academic honesty in the college catalog. Please refrain from Plagiarism, and collusion or cheating on graded assignments and tests.
Withdrawal Policy: When is the Midterm in this course?

Midterm is MAR 7. If it is necessary for you to withdraw from this course, contact me by e-mail. If at any point, you have missed two assignments in a row or missed logging in the course for seven consecutive days, you will be withdrawn from this course and receive a WF or an F grade.

Technology: What are the two tools through which the course will be handled?

This course will be delivered totally online using 1 Desire2Learn and 2 MyMathLab.

⇒ Desire2Learn: You can use Desire2Learn to get your class notes; to access discussion board and chat room, etc.

⇒ MyMathLab: You can use MyMathLab to do Practice Problems, Homeworks, Tests, to see your grades etc.

Technology Skills: What technology skills do I need to have for this course?

• Know how to navigate within a website.
• Know how to send an e-mail.
• Know how to attach a document.
• Know how to scan a document in case you want to share information with your instructor or classmates that is not in electronic form.
• Know how to download and install software.
Know how to use different browsers (Google chrome, Firefox, internet explorer, safari etc, so that if one browser does not work, you can use the other)

System Requirements for Desire2Learn:

• High-Speed or DSL internet connection is highly recommended.
• For required browsers and plug-ins, visit the Desire2Learn entry page [https://lms.gru.edu](https://lms.gru.edu), and click System Check in the middle of the page. Access the system using your NetID and password. If you need to reset your NetID password, please contact the IT Service Desk at (706) 721-4000 - press 9 to reach the Summerville campus.
System Requirements for MyMathLab:

- This product supports the following operating system and browser combinations:
  
  **With WINDOWS operating systems: You can use these browsers:**
  - Windows 2000, Windows XP, and Windows Vista™
  - Internet Explorer 6.0 (XP Only)
  - Internet Explorer 7.0
  - Firefox 2 or Firefox 3

  **With MACINTOSH operating systems: You can use these browsers:**
  - MacOSX 10.4, MacOSX 10.5 Safari 3.1 (Recommended)
  - Firefox 2, Firefox 3

- **Internet connection:** Cable/DSL, T1, or other high-speed for multimedia content; • **Memory:** 64 MB RAM minimum
- **Plug-ins:** You need certain plug-ins and players from the MyLab Browser. The plug-ins and players are installed on most of the campus computers.

Technical Assistance: If I need technology assistance, whom should I call?

- If you need assistance, contact the ITS Student Help Desk (University Hall Room 130 or call (706) 737-1676).
- If you need assistance with Desire2Learn contact the ITS Student Help Desk (University Hall Rm 130 or (706) 737-1676).
- For questions about MyMATHLab, call 1-800-677-6337. You may also receive support at http://www.mymathlab.com/contactus_stu.html
- If you need assistance with scanning documents or technology for scanning documents, contact Media Services (University Hall Rm 156 or (706) 737-1703).

Communication Policy: How do you communicate with the instructor & other students?

Most of the communication in this course will be done electronically – discussion board, e-mail, chat, and announcements. It is important that you read, understand, and practice the rules of netiquette. **If you need to speak with me by phone or meet with me in my office, send me an e-mail** with a number where you can be reached along with the times you can be reached.

E-MAIL:

I will use the e-mail feature in JAG EMAIL for sending and receiving all e-mails. **Remember to check your e-mail, announcements, and the discussion board daily.**
I will respond to all e-mails within one business day. It is important to note that you will not receive emails if your inbox is full. Personal emails (like Gmail, Yahoo, Hotmail, Aol, etc) are not allowed.

Students are expected to check their email on a frequent and consistent basis in order to stay current with College-related communications. Students have the responsibility to recognize that certain communications may be time-critical. "I didn’t check my email," errors in forwarding mail, or email returned to the College with "Mailbox Full" are not acceptable excuses for missing instructor’s official communication.

**DISCUSSION BOARD**

The discussion board is a communication tool that provides a forum for students and instructor to engage in dialog about various topics. Always remember to check your message for spelling and grammatical errors before posting. Do not post any information on the discussion board or in the chat room that you do not want to share with everyone. Once the information is posted, all of your classmates can read your post. You must respect your classmates’ time when posting messages on the discussion board; stick to the topic being discussed. I will monitor the posts on the discussion board, and respond as needed.

You will receive immediate feedback on all computer graded homework, quizzes, and tests completed in MyMathLab. You will receive feedback within 48 hours for assessments graded by me.

If at any point in the course you feel left out or disrespected, send me an e-mail immediately. The online learning environment for this course must be conducive to learning and participation. Also, any disruptive student may be withdrawn from this course and referred to the proper university official.

**Getting Started on Desire2Learn:**

1. Go to [https://lms.gru.edu](https://lms.gru.edu)
2. Check whether your computer meets all the requirements.
3. Your username & password are the same as in your Jagmail. If you don’t have Jagmail account, please contact the ITS Student Help Desk (in University Hall Room 130) or call (706) 737-1676.
4. Now you can print class notes, syllabus, course calendar, test dates, etc.
To get started on MyMathLab, you need to have three things ready.

1. Your **GRU email id**. (Please **do not use** your personal email id)
2. **Course ID**. Your course ID for this Elementary Statistics Course is **sethuraman54878**
3. Your **access code** for MyMathLab that came with the textbook you just bought.

- First you need to go to [http://pearsonmylabandmastering.com](http://pearsonmylabandmastering.com)
- Second, you need to register for this course in 'mylab and mastering’ and then start using MyMathLab.
- If you don’t want to buy the hard copy of the textbook, it is fine. You can get an electronic copy of the textbook when you register yourself in pearsonmymathlabandmastering.com using your PayPal or credit card. This gives you access to MYMATHLAB and also an electronic copy of the textbook that you can view in their website. This method is cheaper for you.

Remember, you can get a temporary (and FREE access for 17 days) access to pearsonmymathlabandmastering.com. SO, you DON’T NEED TO WAIT for your financial aid check to arrive or wait for your pay check till the end of the month.

**To register in MyMathLab and Mastering:**

2. Under I would like to, click ‘Get access to a new course’.
3. For Course ID, enter the course ID which is (**sethuraman54878**), & click Find Course.
4. After you enter your course ID, your course information appears. Confirm that the course listed reflects your instructor’s online course.
5. To register for your course, do one of the following:
   - If you already bought your access code, either bundled with your textbook or as an access code kit sold individually, click Use an Access Code, enter your access code, and click Next.
   - To buy your course online, click Buy Now, then Buy to select the item you want.
6. Read the license and privacy agreement and click ‘I Accept’ to agree.
7. To Sign in or to create an account:
o Click **Yes** under **Do You Have a Pearson Education Account** to sign in if you already have a Pearson account.

o Click **No** to create one. Enter a username and password. Remember your userid and password. Click **Check Availability** to see if the username is available. Add your account information including your school, country, and security information.

o Click **Not Sure** to search for your account.

8. Complete your registration:

   o If you are buying your course online, enter your credit card or PayPal information, and place your order. Your course is listed under **MyLab / Mastering New Design**.

   o If you used an access code to register, a confirmation page displays your course information. Click **Go to Your Course**.

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**Sign in**

Once you have entered your course ID and registered, you can sign in anytime:

1. On the MyLab and Mastering website, click **Sign In**.

2. Enter your username and password, and click **Sign In**.

   Your course is listed under **MyLab / Mastering New Design Courses**. You can also view announcements and other subscriptions.

3. Under **MyLab / Mastering New Design**, click your course title.

   When your course appears, use the course menu to navigate.

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**Help with Subject Materials:**

<table>
<thead>
<tr>
<th>Where do I get FREE help with this subject?</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>(1)</strong> Free help is offered at MATH ASSISTANT CENTER. The Math Assistance Center (MAC) is staffed by student assistants employed by the department. All students enrolled at GRU may use the MAC services for no charge. The MAC is located in Allgood Hall, room N304.</td>
</tr>
<tr>
<td><strong>(2)</strong> You can email or call me with your questions. You can also see me in my office.</td>
</tr>
</tbody>
</table>

**Office:** Allgood Hall N323

**Office Hours:** 1:00 p.m. – 2:00 p.m. & 4:00 p.m.– 5:00 p.m. TU & TH or by an appointment. **Other times available, face-to-face or online, by appointment.**
My Email ID: ssethura@gru.edu  My Phone: 706-667-4480

Your on-Campus Final Exam: THURSDAY, MAY 5, FROM 5 p.m. TO 7 p.m.

Have a good semester.

ADVICE:

Your log-in activities in Desire2Learn and MyMathLab, and on time submission of assignments count as attendance in this online course.

Please read my detailed class notes on each chapter before you start doing any homework assignments or tests.

Please set aside specific hours of the day for schoolwork.

Please set your own deadlines based on your personal schedule in advance of the official deadline.

Please DO NOT wait till the last minute to turn-in your assignments. Staying ahead of course deadlines to avoid the unavoidable like internet issues, illness, and other issues that can come up during the course of a normal semester.

Please create your own calendar of class events and requirements, or keep up-to-date to-do lists.

Please don't wait until it is too late to ask for help.

You need to have a reliable, virus-free computer and internet access. Your instructor is NOT responsible for that. You can also use the computers in our campus computer labs or in the library.