

**NO AUDIO OR VIDEO RECORDING ALLOWED IN CLASS!**

**No Cell phone usage in class.**

**No outside material or electronic devices (except a Calculator) allowed during exams.**

**Proposed Course Schedule: The schedule is a subject to change as the need arises during the semester.**

Day	Topic
<b>6/6-Monday</b>	What is Statistics (Ch.1)
6/7-Tues	Review of Microsoft Excel
6/8-Wed	Graphical Descriptive Techniques-I(Ch2)
6/9-Thursday	Graphical Descriptive Techniques-II (Ch3)
<b>6/13-Monday</b>	Numerical Descriptive Techniques (Ch 4)
6/14-Tuesday	Data Collection and Sampling (Ch5)
6/15-Wed	Data Collection and Sampling (Ch5)
6/16-Thursday	Probability-1(Ch6)
<b>6/20-Monday</b>	<b>EXAM-1 (Ch 2,3,4,5,6) - In Computer Lab (Rm. 339)</b>
6/21-Tuesday	Random Variables and Discrete Probability Distributions (Ch7)
6/22-Wed	Random Variables and Discrete Probability Distributions (Ch7)
6/23-Thurs	Continuous Probability Distributions (Ch8)
6/27-Monday	Continuous Probability Distributions (Ch8)
6/28-Tuesday	Sampling Distributions(Ch9)
6/29-Wed	Sampling Distributions(Ch9)
6/30-Thursday	Introduction to Estimation(Ch10)
<b>7/4-Monday</b>	<b>** Holiday**</b>

7/5-Tuesday Introduction to Hypothesis Testing (Ch11)

7/6-  
Wednesday Introduction to Hypothesis Testing (Ch11)

7/7-  
Thursday **FINAL EXAM (Ch 7,8,9,10,11) - In Computer Lab (Rm. 349)**

---

**Name:** Dr. M. K. Raja

**Office Number:** Business - 522

**Office Telephone Number:** 817-272-3540

**Office Hours:** 12:30 - 1:00 PM Monday thru Thursday Other times by appointment

**Course Number, Section Number, and Course Title:**

BSTAT 3321 Business Statistics 1

**Time and Place of Class Meetings:**

1:00 - 3:00 PM M thru Th - Room 150

**Description of Course Content:**

This is an introductory course in Business Statistics. This course covers the basic concepts of using statistics and probability in addressing business problems. The course will cover the basics of statistical techniques and probability principles used to handle business problems and answer business questions dealing with using data. The course will also address the use of Microsoft Excel to analyze and report on data in business. The topics covered include: Visualizing data, Using descriptive and numeric measures, probability concepts, Normal and continuous distributions, Sampling, Confidence Interval Estimation, Hypothesis Testing and Simple Linear Regression.

**Student Learning Outcomes:**

Upon successful completion of this course, the student will:

- Understand basic principles of organizing and Visualizing data
- Know the distinction between numeric and descriptive data and how to use them
- Understand principles of basic probability and probability distributions
- Understand Normal and other continuous distributions
- Know how to use sampling and sampling distributions for decision making
- Learn the use of confidence interval estimation and hypothesis testing
- Understand how to use Linear Regression techniques

Requirements: Basic arithmetic, algebra and problem solving skills. Understand how business data is gathered, stored and used in business environment. Know the basics of using Excel (2010 or Later) spreadsheets for data analysis and Graphing.

### **Textbooks and Other Course Materials:**

**Book: Statistics for Management and Economics- Tenth Edition- Gerald Keller-Cengage Learning (Publisher) - ISBN-13: 978-1-305-28552-0 - AVAILABLE IN UTA BOOKSTORE only!**

### **Other material:**

Software - Microsoft Excel 2010 or later. Excel version 2010 or newer can be used. Excel examples will be used in class. **This is NOT an Excel teaching class.**

**Descriptions of major assignments and examinations:** There will be a Mid-Term and a Final Exam. A number of In-Class and Homework Assignments will be given. You must be present to get credit for "in-class" assignments.

### **Grading Policy**

Exam-1 - 35 %

Exam-2 (Final) - 35%

Assignments/Homeworks - 20 %

Class Participation and Attendance - 10%

**Late Homeworks will NOT be accepted! Homework answers should be uploaded to Blackboard by due date/time.**

**Student must be present to get credit for in-class assignments, and Class participation/Attendance.**

**NO MAKE UP EXAMS! If you miss an Exam, it will be substituted by the Final Exam score.**

**You cannot miss Final Exam!**

Class grade will be assigned based on the following percentages for the course.

90% or more - A

80% - 89% - B

70% - 79% - C

60% - 69% - D

below 60% - F

**Attendance Policy:** Attendance is essential for both learning the material and doing the assignments. Attendance and class assignments will contribute to the final grade (see Grading Policy above).

**Drop Policy:** University drop policy should be followed for dropping the course. Drop grade will be based on current university policy.

**Americans With Disabilities Act:** The University of Texas at Arlington is on record as being committed to both the spirit and letter of federal equal opportunity legislation; reference Public Law 92-112 - The Rehabilitation Act of 1973 as amended. With the passage of federal legislation entitled *Americans with Disabilities Act (ADA)*, pursuant to section 504 of the Rehabilitation Act, there is renewed focus on providing this population with the same opportunities enjoyed by all citizens.

As a faculty member, I am required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. Student responsibility primarily rests with informing faculty of their need for accommodation and in providing authorized documentation through designated administrative channels. Information regarding specific diagnostic criteria and policies for obtaining academic accommodations can be found at [www.uta.edu/disability](http://www.uta.edu/disability). Also, you may visit the Office for Students with Disabilities in room 102 of University Hall or call them at (817) 272-3364.

**Academic Integrity:**

It is the philosophy of The University of Texas at Arlington that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University.

"Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts." (Regents' Rules and Regulations, Series 50101, Section 2.2)

**Student Support Services Available:**

The University of Texas at Arlington supports a variety of student success programs to help you connect with the University and achieve academic success. These programs include learning assistance, developmental education, advising and mentoring, admission and transition, and federally funded programs. Students requiring assistance academically, personally, or socially should contact the Office of Student Success Programs at 817-272-6107 for more information and appropriate referrals.

**Librarian to Contact:** Contact the Business Librarian in the Business building, if you need Library assistance

**E-Culture Policy:**

The University of Texas at Arlington has adopted the University email address as an official means of communication with students. Through the use of email, UT-Arlington is able to provide students with relevant and timely information, designed to facilitate student success. In particular, important information concerning registration, financial aid, payment of bills, and graduation may be sent to students through email.

All students are assigned an email account and information about activating and using it is available at [www.uta.edu/email](http://www.uta.edu/email). New students (first semester at UTA) are able to activate their email account 24 hours after registering for courses. There is no additional charge to students for using this account, and it remains active as long as a student is enrolled at UT-Arlington. Students are responsible for checking their email regularly.

**Make-up Exam Policy:** No make up exams are given. If the student is unable to take an exam, he/she should contact the instructor **AHEAD of the scheduled exam time** and set up a time take the exam BEFORE THE SCHEDULED TIME. Under NO CIRCUMSTANCES make-up exams will be given after the regular exam is scheduled.

**Grade Grievance Policy:** Please see the student handbook or University policies on the UTA website.

**Student Support Services Available:** The University of Texas at Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. These resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals to resources for any reason, students may contact the Maverick Resource Hotline at 817-272-6107 or visit [www.uta.edu/resources](http://www.uta.edu/resources) for more information.