



<b>COURSE TITLE BLACKBOARD SITE</b>	Course Number and Name Summer 2008 – <a href="http://my.ltu.edu">http://my.ltu.edu</a> and select CRN 5401
<b>INSTRUCTOR</b>	Faculty Name: Dr. C. A. Chidi Title and Organization: Adjunct Professor of Statistics Contact Information: Chidi2006@sbcglobal.net (313)-344-6102 (Cell) Office hours by appointment: Online 24/7
<b>SCHEDULE</b>	Starting and ending dates (College of nnn schedule)  See <a href="http://www.ltu.edu/registrars_office/calendar_final_exam.index.asp">http://www.ltu.edu/registrars_office/calendar_final_exam.index.asp</a> for LTU academic calendar information.
<b>LEVEL/ HOURS PREREQUISITE</b>	nnn Degree / 3.0 credit hours Admission / prerequisite requirements
<b>REQUIRED TEXT</b>  (See Blackboard for additional resources)	Freund & Perles, Modern Elementary Statistics, 12 <sup>th</sup> Edition, Pearson/Prentice Hall, ISBN: 0-13-187439-X  Available for online purchase through LTU Bookstore at: <a href="http://lawrence-tech1.bkstore.com/bkstore/TextbookSelection.do?st=489">http://lawrence-tech1.bkstore.com/bkstore/TextbookSelection.do?st=489</a>
<b>ADDITIONAL RESOURCES</b>	LTU Online student resources: <a href="http://www.ltu.edu/ltuonline/currentonline.asp">http://www.ltu.edu/ltuonline/currentonline.asp</a>
<b>TECHNICAL SUPPORT</b>	Technical support for using Blackboard is provided by VITRC, 248.204.3750 or vitrc@ltu.edu

## COURSE SCHEDULE

This fully online course begins with a partial week online course orientation period to familiarize yourself with the online learning environment and to meet online or via the phone with your instructor. Each subsequent week starts on a Monday and ends on a Sunday.

Dates	Modules	Topics / Readings	Assignments Due
Prior to Semester Start and Week of May 14 – 18	Module 0	Overview of textbook Online Learning Orientation Course Orientation and group formation	Course orientation Instructor conversation Individual pre-assessment Propose teams Propose nnn
Week of May 19 – May 25	Module 1 (note: more than one module may be scheduled in a week)	Chapter 1 – Growth of Modern Statistics, Sources of Data. The nature of Statistical Data, Use of computers and computer software in modern statistics	Bb Discussion Board Forums Other assignment(s) due
Week of May 26 – June 1	Module 2	Chapter 2 – Summarizing Data - I, Listings, Tables, Histograms, Bar graphs, Pie Charts, Frequency Distributions	Bb Discussion Board Forums Other assignment(s) due
Week of June 2 – June 8	Module 3a	Chapter 3 – Summarizing Data – II, Measures of Location, Populations and Samples, the mean, the weighted mean, the median, Quartiles, Mode, the Description of Grouped Data	Bb Discussion Board Forums Other assignment(s) due
Week of June 9 – June 15	Module 3b	Chapter 3 (Continued) – Summarizing Data – II, Populations and Samples, the mean, the weighted mean, the median, Quartiles, Mode, the Description of Grouped Data	Bb Discussion Board Forums Other assignment(s) due

Dates	Modules	Topics / Readings	Assignments Due
Week of June 16 – June 22	Module 4	Chapter 4 - Summarizing Data – III; Measures of Variation, the range, the Standard Deviation and the Variance, the description of Grouped Data	Bb Discussion Board Forums Other assignment(s) due
Week of June 23 – June 29	Module 5	Chapter 5 – Possibilities and Probabilities, Counting Sample Spaces, Permutations & Combinations, Probability	Bb Discussion Board Forums Other assignment(s) due
Week of June 30 – July 6	Module 6	Chapter 6 – Some Rules of Probability; Sample Spaces, Mathematics of Probability, Addition Laws, Postulates, Multiplication Rules, Conditional Probability, Mutually Exclusive Events <b>Midterm Grades Due</b>	Bb Discussion Board Forums Other assignment(s) due
Week of July 7 – July 13	Module 7	Chapter 7 – Mathematical Expectations, Zero sum games, the concept of fair games  <b>Exam #2 (Chapters 5, 6 &amp; 7)</b> ----- Chapter 8 – Probability Distributions, The Discrete Random Variables, The Binomial Probability Distribution, The Hypergeometric Distribution, The Poisson Probability Distribution, & The Mean & Standard Deviation of The Discrete Probability Distribution	Bb Discussion Board Forums Other assignment(s) due
Week of July 14 – July 20	Module 8	Chapter 8 (Continued) Probability Distributions, The Discrete Random Variables, The Binomial Probability Distribution, The Hypergeometric Distribution,	Bb Discussion Board Forums Other assignment(s) due

Dates	Modules	Topics / Readings	Assignments Due
		The Poisson Probability Distribution, & The Mean & Standard Deviation of The Discrete Probability Distribution  <b>Exam #2 (Chapters 5, 6 &amp; 7)</b>	
Week of July 21 – July 24	Module 9 Final Exams	Chapter 9 – The Normal Probability Distribution, The Continuous Random Variable, Check for Normality, Applications of the Normal Distribution  <b>Exam #3 (Chapters 8 &amp; 9)</b>	Bb Discussion Board Forums Other assignment(s) due
<b>THIS IS A 10 WEEK SEMESTER. THE SEMESTER WILL BE CONDENSED TO INCLUDE REMAINING COURSEWORK AND FINAL EXAMS.</b>			
Week of nn - nn	Module 11	Not Applicable	Bb Discussion Board Forums Other assignment(s) due
Week of nn – nn	Module 12	Not Applicable	Bb Discussion Board Forums Other assignment(s) due
Week of nn – nn	Module 13	Not Applicable	Bb Discussion Board Forums Other assignment(s) due
Week of nn – nn	Module 14	Not Applicable	Bb Discussion Board Forums Other assignment(s) due
Week of nn – nn	Final Exams	Course Summary End of Course	Bb Discussion Board Forums Other assignment(s) due

**STUDENT EVALUATION**



The course has nn assignments totaling nn points. Letter grades are awarded based on the total number of points achieved. Points are deducted for late assignments.

	Assignments	Points
	AP0	10
	DP0	10
	WP0	10
	PA	70
	DP	100
	Quiz	100
	HWK	450
	Midterm	250
	Final	250

Class Points	Letter Grade
96 and above	A
90 – 95	A-
87 – 89	B+
83 – 86	B
80 – 82	B-
77 – 79	C+
73 – 76	C
70 – 72	C-
61 – 70	D (Undergrad Only)
60 and below	E

*Note: Grades lower than a "B" fall below the LTU graduate standard*

### **EDUCATIONAL GOALS**

Introductory paragraph describing the overall goals of the course.

### **STUDENT LEARNING OBJECTIVES / OUTCOMES**

List the student learning objectives for this course. These objectives will be evaluated through assignments, quizzes, examinations, and other methods throughout the course.

### **PREREQUISITE SKILLS**

List any prerequisite skills the students should have prior to taking this course. These may include academic coursework as well as practical experiences. (e.g. software packages, work experiences, etc).

## **INSTRUCTIONAL METHODS AND COURSE ORGANIZATION**

List the specific instructional methods used in your course and describe how you will use them, which may include but are not limited to:

**Blackboard Learning Environment** – Blackboard at my.ltu.edu contains the syllabus, all assignments, reading materials, streaming videos, narrated PowerPoint mini-lectures, podcasts, written lecture notes, chapter quizzes, links to Web resources, and discussion forums. You will submit all assignments via Blackboard, and are expected to participate regularly in discussion topics. Please take time to familiarize yourself with the organization of the Blackboard site. You will want to check the site frequently for announcements reminding you of new resources and upcoming assignments.

**Student/Instructor Conversations** – Students keep in touch with the instructor via e-mail messages, telephone conference calls, and IM conversations.

**Self-Assessments** – Pre- and post- self-assessment tools will help students measure their entering skills and progress during the course.

**Required Reading** – Textbook chapters should be read according to the schedule outlined in the syllabus. Chapters will be discussed online.

**Publisher Web Site** – A publisher web site at <http://www.nnn.com/nnn> includes instructional materials, PowerPoint slides, case studies, application exercises, and practice quizzes. You should make use of as many of these resources as you need to be successful.

**Assignments** – List and briefly describe assignments here.

## **CLASS POLICIES AND EXPECTATIONS**

I plan to offer you a valuable learning experience, and expect us to work together to achieve this goal. Here are some general expectations regarding this course:

Each student has a LTU email account. If you wish to use a different email address for this course, please **change your email address in Blackboard under “Blackboard Tools”, then “Personal Information”** and send an email to me so I can store your address in my email directory.

Readings, discussion forum participation, and written assignments must be completed according to the class schedule. If business travel will take you away from regular participation, please clear the dates with me in advance.

It is essential that all students actively contribute to the course objectives through their experiences and working knowledge.

All assignments must be submitted on schedule, via Blackboard, and using Microsoft Office compatible software. If you need to submit an assignment via email, contact the instructor in advance. Late work will be reduced in value.

Assignments must be completed to an adequate standard to obtain a passing grade. Requirements for each assignment are detailed in this syllabus.

Be prepared to log into Blackboard at least once each day. Please focus your online correspondence within the appropriate Blackboard discussion forums so that your colleagues can learn from you.

At midterm and at the end of the course, you will be invited to participate in a University evaluation of this course. Your feedback is important to the University, to LTU Online, and to me as an instructor, and I encourage you to participate in the evaluation process.

It is important for you as students to know what to expect from me as your instructor:

- I will be available to you via e-mail and phone, and will promptly reply to your messages.
- I will be available to you for face-to-face appointments as requested.

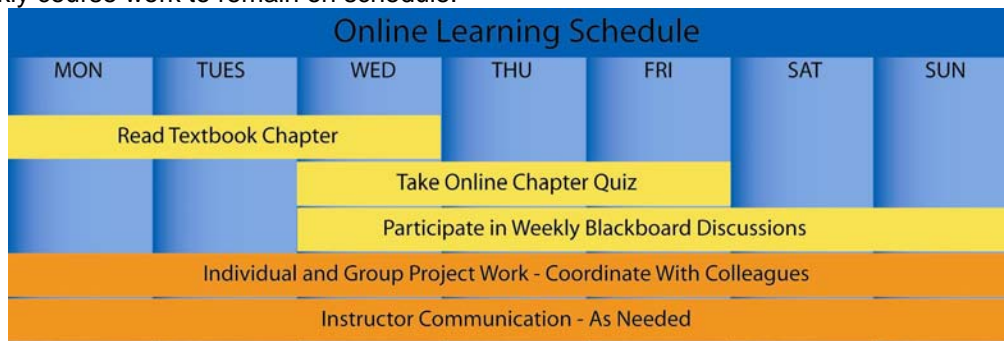
- I will maintain the Blackboard web site with current materials, and will resolve any content-related problems promptly as they are reported to me.
- I will send out a weekly e-mail update to all class members to guide upcoming work and remind you of assignment due dates.
- I will return all assignments to you promptly, and will include individualized comments and suggestions with each assignment.
- I will hold our personal written or verbal communications in confidence. I will not post any of your assignments for viewing by the class without requesting your approval in advance.
- I will treat all members of the class fairly, and will do my best to accommodate individual learning styles and special needs.
- If any of these points need clarification, or when special circumstances arise that require my assistance, please contact me so that we can discuss the matter personally.

### PRACTICAL GUIDELINES FOR CLASS LOAD EXPECTATIONS

A three-credit course generally requires at least nine hours per week of time commitment. Here are some practical guidelines to help schedule your time commitments for this online course:

- A 14-week semester (the Summer semester is compressed into 10 weeks) would require at least 126 hours of time commitment to successfully complete all readings, activities, assignments, and texts as described in this syllabus.
- You should reserve at least 6 hours per week to read the required textbook chapters and resources, participate in online discussions, review presentation materials, and work through online quizzes. This effort will total at least 84 hours over the course of the semester.
- You should organize your remaining time to roughly correspond with the point value of each major assignment. This means that you should plan to spend at least:
  - 8-9 hours preparing your case study review;
  - 24-40 hours working with your group on the three parts of your semester-long project;
  - 8-9 hours working on the various components of your reflective consolidation (final exam).

These guidelines may not reflect the actual amount of outside time that you – as a unique individual with your own learning style – will need to complete the course requirements. The number of hours each week will vary based on assignment due dates, so please plan ahead to insure that you schedule your academic, work, and personal time effectively. The following graphic can be used to guide you in planning your weekly course work to remain on schedule:



### ASSIGNMENT DETAILS

Course assignments and evaluation criteria are detailed below. Please review these requirements carefully. See the section Academic Resources / Assessment Guidelines for information about assessment of written and oral presentations.

Details for all assignments are shown below. Please note that you should not submit any assignments to the Blackboard “Digital Drop Box.” All assignments are submitted using the Blackboard “Assignments” or “SafeAssign” function. Some assignments are also posted to the Blackboard Discussion Forum for student comments.

### Assignment nnn (nnn Points)

**Overview** – Describe the specific requirements of the assignment here. Then list the specific student deliverables below:

- First requirement
- Second requirement
- Etc.

**Proposal** – If students need to propose a specific topic or approach, outline how the proposal is made in this section.

**Deliverables and Evaluation** – Describe how student submit their assignment deliverables in this section.

Describe in specific terms how the student’s work will be evaluated. An example follows:

- Your case study document (up to 5 points)
- Nominal three page case with title and team member names – 2 points
- Organization and overall writing quality – 2 points
- Assignment submitted on time – 1 point
- Your critique (up to 3 points)
- Use of either a “lessons learned” or “best practices” approach – 2 points
- Overall critical thinking and writing quality – 1 point
- Your citations (up to 3 points)
- Use of at least three citations from trade or academic journals – 2 points
- Use of APA citation formatting – 1 point
- Your Blackboard discussion forum posting and response to questions (up to 4 points)
- Posting your document and a brief “executive summary” – 1 point
- Posting one or two focused questions for follow-up discussion – 1 point
- Responses to questions from class members – 2 points

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Use of at least three citations from trade or academic journals – 2 points  
Use of APA citation formatting – 1 point  
Your Blackboard discussion forum posting and response to questions (up to 4 points)  
Posting your document and a brief “executive summary” – 1 point  
Posting one or two focused questions for follow-up discussion – 1 point  
Responses to questions from class members – 2 points

### **Quizzes and Online Participation (nnn points)**

Each student is expected to actively participate in online activities. Class participation is evaluated to a maximum of nnn points based on:

Up to nnn points – Reading the required text chapters and working through the online practice quizzes according to the class schedule; and

Up to nnn points – Actively participating in Blackboard discussion forums, responding to questions posted by the instructor, and interacting positively with other students.

### **SYLLABUS ADDENDA**

Please see the LTU Online “Current Students” web site <http://www.ltu.edu/ltuonline/currentonline.asp> for comprehensive information about Lawrence Tech’s academic services, library services, student services, and academic integrity standards. The content of this web site is explicitly included as syllabus requirements.

The LTU Online “Current Students” web site also includes grading rubrics used by your instructor to evaluate written assignments, discussion forum participation, and group assignments. Please note that the SafeAssign anti-plagiarism product will be used for written assignments submitted for this course. Please see the instructions included on the LTU Online web site regarding the use of the SafeAssign product.