

# Stat 1510

## Elementary Probability and Statistics

Summer 2009 Distance Learning - Online

Taking a course in a distance education format can be both very challenging and equally rewarding. This format inherently places a high level of responsibility on the student than is typically required in a traditional on campus face-to-face course. Logistics between the student and professor must be well defined and procedures followed verbatim in order to ensure a successful educational experience. Strict guidelines have been developed to help ensure the class progresses smoothly while maintaining the academic integrity of the course. It is your responsibility to read this entire syllabus carefully making certain to understand each and every component listed. An excuse of "I didn't know" will never be accepted if it is listed in the syllabus. This syllabus contains due dates and assignment procedures for this semester. Failure to follow the procedures listed in the syllabus will result in loss of points which could easily have an adverse affect on your final course grade.

**Instructor:** Brian Jean bjean@taftcollege.edu

**Office:** (661) 763-7844

I will not be on campus this summer but will check voice mail once each week.

**Office Hours:** There will be no regular office hours for this summer online course.

**Text:**

- Data Analysis - An Applied Approach to Statistics with Technology, Jean, Meyers and Sporer 2<sup>nd</sup> Edition (*Required*).
- Data Analysis With The TI-83, Jean (*Required*).
- Student Solution Manual - 2ed, Jean, Meyers and Sporer (*Optional*)

**Videos:** Most lectures are available online. You can find them at the class website on Moodle (<http://moodle.taftcollege.edu>). Please note that the online videos must be viewed on campus or with a high speed connection. The files will not stream using a dial-up connection. Access to the videos **is required**. A substantial part of your grade will be based on the videos. The complete set of videos are available on CD/DVD for those of you that have slow internet access. The CD/DVD is available at no fee by request to me. See details below.

**Calculator:** TI-83 or TI-84 Calculator (*required*). There are many programs that I have obtained or written for the TI-83/84 which are crucial to your success in this course. If you have internet access and a GraphLink cable from Texas Instruments for your TI-83/84 you can download the programs to your computer from <http://faculty.taftcollege.edu/bjean>. Once downloaded you can transfer them to your calculator using the GraphLink cable (TI-83) or a USB cable (TI-84). Click on STAT 1510 and follow the links to the programs. If you have problems transferring the programs you must get your calculator to me so I can transfer the programs to your calculator. The entire transfer takes about 45 seconds. These programs are essential to passing this course.

<b>Grading Policy:</b>	<b>Assignment</b>	<b>Weighted Course %</b>
	Homework (includes chapter homework and misc. additional assignments)	10%
	Course Journal	5%
	Writing Assignment/Research Project/	10%
	Chapter Lessons	5%
	Chapter Quizzes	10%
	Video Notes	10%
	Midterm Exam	25%
	Final Exam (comprehensive)	25%

Your final course grade will be decided based on the following:

A 90% or more      B 80% - 89.99%      C 70% - 79.99%  
D 60% to 69.99%      F Less than 60%

- Our course is located at <http://moodle.taftcollege.edu>. Moodle is an online class management system. Follow these steps to log into Moodle.

You can find an online video walking you through this process at:  
[http://faculty.taftcollege.edu/bjean/swf/moodle\\_login.swf](http://faculty.taftcollege.edu/bjean/swf/moodle_login.swf)

1. Go to the above Internet address.
2. Create a new account following the directions on the right side of your screen.
3. Be certain your email address is entered properly because a confirmation email will be sent to that address which is required to complete the registration process. Often the confirmation email ends up in your spam folder so if you do not see the email in your in-box within five minutes, check your spam folder.
4. Once you receive your confirmation email, click on the link and select the **Stat1510 Online** course. You will need the enrollment key which is: stat1510summer2009  
Note: this is all lower case with no spaces. The site will not become available until the end of May.
5. If you have problems logging in, contact me and I will assist you. **Do not** contact the counseling center or anyone else on campus. I will provide you with technical support for Moodle.

**NOTE: A Moodle account is mandatory as that is where I will be keeping your grades and all assignment information. If you do not create your Moodle account by the end of the first week of class I will drop you from the course.**

- Studying and doing your homework is an essential element to success. I will not be grading your homework; however, you will receive points for completing it. All chapter homework will be turned in twice during the semester. Your first submission will be with your midterm, the second submission will be with your final exam. You will receive credit for your homework based on how much you actually completed. Simply writing down the answers from the solution manual will not be acceptable. Your homework must show sufficient detail such that I am able to follow your thought process else you will not receive credit. Your homework will be an excellent study guide in your preparation for all exams and quizzes, if you put forth the proper effort. If your homework is not turned in with your exams you will not receive credit. There are no exceptions.

Chapter 1	All
Chapter 2	All odd
Chapter 3	1 - 3 all, 5, 7, 8, 9, 11, 13, 14, 15, 17, 18, 19, 21, 25, 29
Chapter 4	1 - 5 all, 7 - 29 odd
Chapter 5	All odd, 16
Chapter 6	All odd
Chapter 7	All

Chapter 8	1, 2, 5, 7, 11, 12, 15, 17, 19, 20, 25
Chapter 9	3, 5, 6, 9, 11, 15, 16, 17, 19, 22, 25, 27
Chapter 10	All odd, 6, 12
Chapter 11	All odd
Chapter 12	All odd, 2, 6
Chapter 13	1, 2, 3, 5, 7, 9, 10, 11 - 27 odd
Chapter 14	All
Chapter 15	1, 2, 3, 6, 7, 9, 11, 13, 14, 17, 19
Chapter 16	All odd, 2

## Dropping the course.

It is your responsibility to drop the course. Drops will not be backdated. Contact the counseling center or the distance learning help desk to drop the course.

## Contacting the Professor

You should never feel like you are out there working all alone. I am here to assist you in any way reasonable. You can ask me questions by posting messages in Moodle (more on that later) or calling me on the phone. If you would like to discuss homework or other class issues with me on the telephone then setting a telephone appointment is a good idea. You may or may not be able to reach me by phone in my office during office hours. The reason is because my office is very small and I typically meet students in the library, LRC, cafeteria or any available classroom so we will have room to work. If you call and I am not there, leave a message and I will return your call. Speak SLOWLY and CLEARLY leaving me your name, course, telephone number and best time to call. Do this every time you call please. Do not assume I still have your phone number handy from your last message. Phone messages are discouraged during the summer class. The best way to contact me is through Moodle or email. I will only be checking voice mail once each week (at the most).

## Journal Format

You will maintain a journal for this class. The journal is simply a written record of what you do for this class. It should not take you more than 4 or 5 minutes each week to complete your journal. The journal entries will take on a specific format, as shown below. The following is an example of how your journal shall be formatted. Failure to comply with the formatting instructions will result in you receiving no credit. You will submit your completed journal each time you send in your video lecture notes. A week consists of Monday - Sunday.

### Week 1

Day	Date	Time	Activity
Monday	1/20	5:00 - 7:30	Viewed course videos chapters 1/2
Tuesday	1/21	3:30 - 4:30	Cleaned up course video notes
		7:30 - 8:00	Homework, chapter 1/2
Thursday	1/23	3:00 - 4:30	Homework
Friday	1/24	3:30 - 4:00	Online quiz
		7:30 - 9:30	Studied - read book, reviewed notes, worked out some practice problems
Saturday	1/25	12:00 - 2:00	Study group - preparation for exam

## Exams and Quizzes

- There will be **NO MAKE-UP EXAMS** unless circumstances are extenuating and I am contacted *prior* to the scheduled exam date. A one-page reference sheet (8.5 x 11 one side only) for the midterm and a two-page reference sheet for the final exam is be required. *Homework Problems, Old Exam/Quiz Problems, and the Table of Statistical Notations are not allowed on exam reference sheets*. Students will always attach their reference sheets to all exams. Failure to do so will result in a 10% reduction of your exam score. All exams are closed book and closed notes (with the exception of the mandatory reference sheet). Your TI-83 or 84 is always allowed for all exams.
- Your midterm and final exams will not be returned to you.
- The midterm and the final exams will be proctored. Those students who reside within Kern County or are within driving distance of Taft College will take the exam in the Learning Resource Center (LRC) on campus. The exam dates are listed below so start making arrangements to come to campus now. For those residing outside of Kern County, I must have the completed proctor by the end of the first week of the course. This will allow me time to contact/verify your proctor and send out the exams. Failure to provide me with your proctor could result in you missing the exam and receiving a zero. Failure to plan ahead on your part does not create an emergency on my part. I will not be scrambling at the last minute to get your proctor details worked out and the exam shipped off.

	Chapters Covered	Date	Comments
Midterm Exam	1 - 10	7/16	Proctored Exam. 3 hours allowed. Turn in your homework and video notes with your midterm exam.
Final Exam	1 - 16	8/13	Proctored Exam. 3 hours allowed. Turn in your homework and video notes with your midterm exam.

- You must present your proctor with your photo ID at the time you show up to take the exam. In addition, you must submit a copy of your photo ID to the proctor which he/she will attach with your exam packet. This policy also applies to students taking the exam in the Learning Center.
- Students taking the exam in other than the Learning Center will be required to provide the proctor with an envelope large enough to contain all materials being submitted with the test (a 10 x 13 envelope is recommended). The student must assure the envelope has sufficient postage and is preaddressed to:

**Taft Community College**  
 29 Emmons Park Drive  
 Taft, CA 93268  
 Attn: Distance Learning  
 Assignment for Professor Brian Jean

An exam that is delayed in its arrival at Taft College due to insufficient postage or arrives at Taft College with postage due will be penalized 50% of the possible points for all assignments that were due.

- All exams taken off campus will be submitted to the professor **by the proctor**. Any exam sent by a student will receive a zero.
- The proctor instruction form instructs the proctor to seal the envelope and sign their name across the seal. You may want to ask the proctor to do that in your presence so you know the package is properly sealed. This does not apply to students taking the exam in the Learning Resource Center.
- Exams will not be faxed unless specific prior arrangements have been made with the professor.
- Be certain you communicate with your proctor to make appropriate time allotments.
- **The final exam is mandatory**. If you fail to complete the final exam you will receive an "F" as your course grade regardless of your cumulative course points. If you are taking the final exam outside the LRC or TCI then it is your responsibility to ensure the appropriate express or overnight mail arrangements have been made such that the exam is received no later than two days after the scheduled exam date (or the next business day if two days falls on a Sunday or holiday). Exams arriving late will receive a zero. I must be very strict with this policy to ensure I will be able to get the exams graded and final course grades submitted to the registrar's office on time
- **Quizzes will be completed online**. The due date listed in Moodle. Quizzes are not proctored. All quizzes are to be completed by 11:55 PM on the date listed.
- Lessons are like mini-quizzes. The big difference is that you can attempt a lesson up to 10 times. Chapter lesson due dates are also listed in Moodle.

## Showing Your Work for Exams and Quizzes

It is important to always show your work when completing a problem. The basic rule of thumb is "if you are thinking it, then write it."

Very seldom will there be a need to do calculations by hand in this course. If you obtain values from your calculator, simply state so. As an example, if you report the mean and median, simply follow it with something like (1-VarStats). The "1-VarStats" is actually the command you use in the calculator.

As another example, in chapter 8 (binomial distribution), you **must** show me your calculator command, which could look something like: *binomcdf(21, .73, 17)*. This very clearly tells me what you did. If your answer is wrong, I am more able to award partial credit because I can see what you actually did.

In later chapters you will be making decisions based on shapes of data and use normal plots. You **must** draw your graph for me so I can see what you were looking at and what you based your decision on. Do not simply say "the data was normal so I used a t-test". **You must** show me the normal plot then make a statement as to whether or not it is normal.

**Assumption justification is another important concept**. Assumptions needed to perform statistical tests (inference) must be clearly outlined, not simply regurgitated. You must be specific in stating how a specific

assumption has been reasonably satisfied for the particular scenario you are working with. A simple restatement of what is required **does not** show it has been satisfied. Failure to properly justify assumptions will result in a minimum of 50% loss in credit for that particular problem. You will first be required to justify assumptions starting in chapter 8.

**Put your name on everything you submit.** Loose papers get separated. If your name is not on them you may not get credit and they will not be returned to you.

## **Writing Assignments**

- **Research Project:** Details of the research project will be posted online in our course site.
- **There may be one additional, small, writing assignment during the semester. Details to follow.**

***The professor reserves the right to make changes to this syllabus as deemed necessary.***