



**CAIS 101, Statistics
FALL 2016
COURSE SYLLABUS**

Please read the following course syllabus carefully, especially the course dates, times and location. If you have any questions, please do not hesitate to communicate with the IDEAL Program office, your academic advisor, or the instructor.

The IDEAL degree-completion program is designed with the adult learner in mind. Adult learners approach learning with specific goals, want to be able to directly apply new learning to their work and personal lives, and tend to learn best when the coursework is problem-centered so that they are actively engaged in the learning process. In addition, adults bring rich and varied experience to the classroom, which becomes a valuable learning resource for other students.

The IDEAL Program assumes joint responsibility in the learning process. The activities and assignments in the courses build on the shared experience of all learners in each class. This is why each student's preparation, participation and interaction in class activities and discussions are critical to the success of each course. The accelerated format of each course requires a significant amount your time outside the classroom to prepare for and complete the course assignments. This varies between students and courses; however, students typically spend nine-twelve hours per week on course material.

To participate in the IDEAL Program, it is expected that you will do the following:

1. Attend every class session. Be on time. In my world, if you are 2-minutes "early" to class then you are 15 minutes "late" to class.
2. Obtain the required course materials prior to the first class session.
3. Complete the first assignment prior to the first class session and all subsequent assignments to the best of your ability.
4. Participate in the class discussions and demonstrate respect and consideration to the instructor and other students when they express themselves in discussion.

If you cannot perform these four expectations, it is recommended that you drop the course. We look forward to your academic success in each course and the ultimate completion of your degree.

Course No. & Title: CAIS 101 ID, Statistics
Semester and Term: FALL 2016
Day and Dates: Saturdays, 8/27/2016 – 12/3/2016
Time: 9am – 12pm
Campus Location: Bridgeport

Course Description:

This course covers basic statistics, including descriptive statistics, probability, discrete distributions, continuous distributions, sampling, and hypothesis testing.

Prerequisite Course: MATH 105

Course Code: BC, BUS, BUSM

Instructor & contact information: Dr. Robert Parisi

Email: rparisi@bridgeport.edu or rjparisi2003@yahoo.com

Required Textbook:

BASIC STATISTICS for Business and Economics, 8th edition, Lind, Marchal & Wathen
McGraw-Hill/Irwin Publishers, NYC 2013 ISBN 9780073521473

To order textbooks, go to the bookstore website at ubcampusstore.com

**Students will be expected to use the computer and calculators to do calculations and design/present results. All students must have a statistical calculator and access to a computer with a statistic package or spreadsheet package (such as EXCEL). Both calculators and Lap tops may be used in class to assist in calculation and are encouraged.

Learning Outcomes:

Upon completion of this course, the student should be able to:

(Except for the first two outcomes below (frequency distributions and graphing), the topics in CAIS 101 are preparation for the second course, CAIS 102. That is, the outcomes from CAIS 101 are necessary to obtain the outcomes in CAIS 102 and the general outcomes stated above.)

Specifically, at the end of CAIS 101, the student should be able to:

- Build and interpret frequency distributions from data.
- Draw and interpret graphs from frequency distributions.
- Understand and calculate from data three basic measures of central tendency: the mean, median and mode.
- Understand and calculate from data three basic measures of dispersion: the range, variance and standard deviation.

- Understand and apply three basic mathematical laws of probability: the special addition rule, special multiplication rule and the complement rule.
- Understand and use three basic probability distributions: the binomial, Poisson and normal distribution. This includes understanding the circumstances under which each distribution is used, and how to calculate probabilities using each distribution.

First Assignment Prior to the First Class:

Bring in for discussion an article (any source), with a brief discussion by you, or issue that involves some form of statistical analysis and makes some decision or gives an opinion based on the “numbers”. For instance, Anything about the upcoming national election and polling numbers?...What’s the deal with the U.S. federal deficit? How about Global Climatic change? What’s up with corporate tax rates? Population growth rate and demographics? Is the world falling apart? Be sure your topic is quantitative in nature.

We will have an in class project. We will be using some of learned statistics to conduct some “real-life” calculations. The rubric for this project is as follows:

The Planned Group Discussion: Give students a topic to discuss as a group. Out topic will be the results of our project. First, give them several minutes to think about the topic, and then have them share their points of view with each other in a group. Each group has an equal amount of time for discussion, and then the group selects someone to summarize and present the group’s viewpoints. End the discussion with a class summation that relates the viewpoints of the different groups.

Grading Rubric for Discussion Postings

Postings will be evaluated for effort, thoroughness, understanding of the assignment, spelling and grammar, and timeliness of posting. Late discussion postings will not be accepted. Timely participation is essential. Please review the grading rubric below for how postings will be evaluated.

Expectations	Excellent	Fair	Poor
Contribution to the Classroom: Posting is insightful, thorough, and interesting.			
Inspires Reply Postings from Other Students: A serious effort is made to frame the discussion posting in such a way as to encourage others to reply. Posting generates questions and opens up new avenues for discussion.			
Demonstrated Understanding of the Reading Assignment Posting demonstrates a thorough understanding of the reading assignment and is substantiated by several examples from the textbook and/or companion website.			
Grammar, Mechanics, Spelling, and Sentence Structure Posting is highly polished; no grammar or spelling errors.			

Assignments:

8/27/15	1 - 2	Introduction to the course and the field of statistics. Discussion of how statistics are used out there (your topics and articles). Ethical issues. Discussion of term project. Presentation of data: grouping, graphs & charts. Misleading presentations and conclusions
9/3	3	Complete work on presentation of data and interpretation. Introduction to Descriptive statistics (Central tendency and variation)
9/10		Continue with descriptive statistics. Preview for Quiz I
9/17	4	Complete descriptive statistics and preview of quiz. Quiz on presentation
9/24	5	Probability concepts and applications. Quiz on descriptive statistics
10/1	6	Discrete probability distributions – Binomial distribution
10/8		Continue with discrete distributions – Poisson distribution
10/15	7	Continuous probability distributions – Normal curve. Preview for quiz on discrete distributions

10/22		Continue with 7. Standard normal curve and “Z” scores.
10/29	8	Complete work on “Z” scores. Sampling. Preview for quiz on Normal curve and “Z” scores.
11/5		Quiz on “Z”s. Complete sampling and preview for quiz. Applications of Sampling
11/12		Quiz on sampling. M&M Project
11/19		Whole course review.
12/3		Final examination.

Description of Weekly Sessions:

All topics will be addressed in class and the text will be referred to regularly and used during exams (for tables and charts). Therefore it should be brought to each class. Not having your textbook is equivalent to (pretty much) not being prepared and showing up to class). There will be review sessions before each quiz. There are no makeup exams for missed quizzes. Students who present legitimate proof of reason for absence will be assigned a written assignment as makeup.

Grading Criteria:

Quizzes.....	30%
Project.....	30%
Final Examination.....	30%
Participation and Attendance.....	10%

Note: Participation and Attendance does not mean that you come to every class. It means just that – you will need to be an active participant and attend (on time) our class. I will not accept late work.

Letter Grading Scale:

% of Points Earned	Letter Grade	% of Points Earned	Letter Grade
100-94	A	76-74	C
93-90	A-	73-70	C-
89-87	B+	69-67	D+
86-84	B	66-64	D
83-80	B-	63-60	D-
79-77	C+	Below 60	F

Class Policies: Students are expected to act in a professional manner. This includes, but not limited to, punctuality and regular attendance. These are vital to success in this course. By virtue of the nature of statistics and how they are used (and misused) in the real world, it is imperative for you to be actively involved in classroom discussions to best understand the issues involved such as the limitations, misinterpretation, variable uses of and myriad of options available for statistical analyses and subsequent use in decision-making. Students are responsible for missed work and assignments.

Not texting, e-mailing in class. Please excuse yourself from the room if it is an emergency.

It is your responsibility to obtain the class notes and homework if you miss a class. I will not provide this information.

ACADEMIC POLICIES

Attendance Policy

Classroom attendance is an integral part of the academic experience; therefore, students are expected to attend all class sessions. If an absence is unavoidable, the student, prior to class, should communicate with the instructor. Arrangements should be made at that time for submission of any missed assignments. It is also expected that students arrive on time and not leave until the class is dismissed. Tardiness will result in a reduced grade for the course. If you cannot attend every class session, you should consider dropping the course.

IMPORTANT:

- Missing one class session will drop the final grade by one letter grade (for example if a student earns a grade of “B” in the course, the final grade would be a “C”).
- Missing two or more class sessions will be cause for a failing grade.
- Note: For 15-week courses; missing two class sessions will result in a letter grade drop and three or more will cause a failing grade.

Drop Procedures

To drop a course, you must complete and submit a Schedule Change Request Form. The form can be accessed at the IDEAL Course Schedule webpage:

<http://www.bridgeport.edu/academics/continuinged/ideal-academic-degree-programs-and-certificates/ideal-course-schedule/>.

Please print and complete the form and fax the form to the IDEAL Office: 203-576-4537. Prior to dropping a course, the student should contact their IDEAL Academic Advisor to understand the implications to financial aid and/or degree plan progress.

Please review the drop fees and tuition refunds at the Academic Calendar; accessed at the IDEAL Course Schedule webpage (same link above).

Cell Phones

Cell phones must be turned off (or placed on “vibrate”) while in the classroom. A cell phone call is disruptive and disrespectful to the other students in the class. No texting or e-mailing while in lecture.

Academic Dishonesty

The IDEAL program prohibits all forms of academic dishonesty. Academic dishonesty is normally defined as, but not limited to, the following two categories:

Cheating – Using inappropriate sources of information in an assignment or on a test. The following are examples of cheating taken from real student experiences:

Case #1: A student is enrolled in an introductory psychology course. He has co-workers who have taken the same course. As the end of the course approaches, he wonders how he will find the time to get the research paper finished, and asks one of his co-workers for help. His co-worker hands him a research paper that he submitted in a similar course. The student makes minor modifications to the paper, and submits it under his own name.

Case #2: A student enrolled in a humanities course is unsure about how to structure an essay. She is doing research on the World Wide Web, and comes across an essay written by a student from another university. Using her computer mouse, she copies and pastes the essay into her word processor. She goes to great lengths to re-word the paper in her own style, but essentially leaves the content and organization the same.

Plagiarism – Intentional as well as unintentional failure to acknowledge sources as well as the use of commercially available so-called “research papers” without full recognition of the source. Presenting as one’s own, the ideas, words, or products of another. The following are examples of plagiarism taken from real student experiences:

Case #3: A student is conducting research for a Civil War research paper. He has reviewed work on the Internet. Finding helpful information, he has summarized his findings without citing his sources. He believes that minor paraphrasing is all that is necessary.

Case #4: A student is writing a paper that requires her to address specific topics and problems in the assigned course textbook. She takes the information directly from the textbook with slight modification, without giving any citation. She thinks that since it is the course textbook, she doesn’t have to use quotations or citations.

Academic dishonesty applies to all courses, assignments or exams completed by students and submitted as their own original work, whether in person or by electronic means. The University does not tolerate cheating in any form. It is a serious breach of conduct with serious consequences. Instructors have the right to determine the appropriate penalty for academic dishonesty in their own courses; generally, however, such acts will result in a failing grade for the assignment and/or the course. The penalty for subsequent acts of academic dishonesty may include expulsion.

More information on how to recognize plagiarism can be found at this site: http://www.indiana.edu/~istd/plagiarism_test.html

Ethics Statement of Confidentiality

An integral component of an IDEAL course is student and faculty expression of personal experiences for the purpose of facilitating coursework. Students enrolled in the program are expected to honor confidentiality as it pertains to student disclosure. Shared information, comments, or opinions expressed by another student or the faculty member during the course of classroom discussion should never be used in a manner which is intended to humiliate, embarrass, harass, damage, or otherwise injure other students in their personal, public, or business lives. In addition, confidentiality must be upheld by not disclosing any information that would identify any particular individual.

ACADEMIC RESOURCE CENTER

The Academic Resource Center is available for IDEAL students seeking help in their studies. The Center is staffed by writing professionals and peer tutors. More information can be found at: <http://www.bridgeport.edu/pages/2209.asp> The Center is located on the 5th Floor of the Wahlstrom Library. Make an appointment or walk-in: Telephone: 203-576-4290. **Online Tutoring** is available at: www.etutoring.org. To use this free service you must have a UBNet account.

Obtaining a UBNet Account

Every registered student should obtain a UBNet Account. The account allows you to access MyUB; the portal for grades, library services, Canvas online learning system. Also, the account allows you access to computers in the Library and computer labs, and provides an email account in which the University sends out information. Go to: <http://www.bridgeport.edu/ubnet> - Click on "New UBNet Account" and follow the instructions.

The @bridgeport.edu email address is the official email the University uses to send information to you. You can have your bridgeport.edu email forwarded to any other private email account you use. Following the activation of your UBNet account (takes 24 hours), login at: <http://www.bridgeport.edu/email> and click on "forwards" at the top of the page. Follow the directions to forward email messages to your other account.

Learning Management System (LMS) - Canvas

For all courses that use Canvas, you can access Canvas through the portal by using the myUB link. Faculty post class documents on Canvas e.g. syllabus, power points, discussion questions, case studies, current event articles, papers, reports etc. (save some trees). All students have access, and can download and copy the documents.

Canvas Tutorial For Students: <https://bridgeport.instructure.com/courses/985903>

For assistance contact the UB Help Desk at 203-576-4606 or email helpdesk@bridgeport.edu
<https://bridgeport.instructure.com/courses/829447/>

Accessing Your Grades & Schedule Online

The WebAdvisor online information system allows students to search for available classes, check grades, view semester class schedule and verify your personal profile. Grades are generally posted 2-3 weeks following the end of a course. To access WebAdvisor, login in to MyUB and follow the WebAdvisor menu on the right. If you are carrying a financial balance, access to WebAdvisor will be restricted.

Using the Library

Access to the Digital Library is through MyUB. On the MyUB home, in the central column, click on "myEureka Digital Library." Research tools available:

- Search for books held at the library.
- Search the online databases for your academic field; business, counseling, human services, psychology, etc.
- Send questions to the Reference Librarian for assistance in research topics and searching strategy.

Using Computers

Open access computer labs are available at three locations:

- Bridgeport – 1st floor of the Wahlstrom library. Check library hours of operation at: <http://www.bridgeport.edu/library>.
- Stamford – Room D; Check open hours at: <http://www.bridgeport.edu/stamford>
- Waterbury – Computer Lab; Check open hours at: <http://www.bridgeport.edu/waterbury>

Course Cancellations

Any emergency necessitating the canceling of courses will be announced by the University through the Emergency Notification Telephone Line, (203) 576-4159. Please call this number for information on course cancellations. Also, information will be posted under "Latest News" on the UB home page, (www.bridgeport.edu). Canceled classes will be made up either the week following the end of the course or in consultation between the instructor and the students as to day and time availability. Course cancellations are also announced on television and radio stations.

IMPORTANT CONTACT INFORMATION

Office	Telephone	Email
Bridgeport Campus Security	(203) 576-4911	ubsecurity@bridgeport.edu
Bursar	(203) 576-4692	sfs@bridgeport.edu
Cashier	(203) 576-4682	sfs@bridgeport.edu
Financial Aid	(203) 576-4568	sfs@bridgeport.edu
Registrar	(203) 576-4635	registrar@bridgeport.edu
Emergency Notification Phone	(203) 576-4159	
IDEAL Office	(203) 576-4800	idealinfo@bridgeport.edu

CAMPUS CONTACT INFORMATION

Campus	Address	Telephone	Email
Bridgeport	126 Park Avenue Bridgeport, CT 06604	(203) 576-4800	idealinfo@bridgeport.edu
Stamford	5 Riverbend Drive Stamford, CT 06750	(203) 358-0700	ubstamford@bridgeport.edu
Waterbury	84 Progress Lane Waterbury, CT 06705	(203) 573-8501	ubwaterbury@bridgeport.edu

Directions to IDEAL Campus locations	http://www.bridgeport.edu/pages/2260.asp
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To fill out your financial aid report to the Federal Government, please go online to www.fafsa.ed.gov. The school code for the University of Bridgeport is **001416**.
Federal Student Aid Information: 1-800-433-3243.