

STA 2023: Statistical Methods

Spring 2020

Contact Information	
Professor:	Courtney Gegenheimer
Office:	Building 1, Room 139
Office Hours:	MW 1-2:15pm in 1-139 TR 10-11:15am in 1-139 TR 1-2:15pm Virtual Hours F 1-3:30pm Virtual Hours
Email & Phone:	cgegenheimer@valenciacollege.edu ; (407) 582-1690

*Please Note: Although I may at times check Canvas or my email on the weekend, I do not have office hours scheduled on Saturdays or Sundays. I have found from experience that online students prefer weekend deadlines; however, if you wait until the weekend to work on your assignments you may not be able to reach me if you have questions at that time. I normally respond to emails within 24-48 hours but this is not a guarantee across the weekend.

Course Description & Prerequisite:

Grade of C or better in STA1001, MAT1033, MAC1105 or satisfactory score on an approved assessment. Introductory statistics course: Collection, Description & Interpretation of data. Topics: sampling, summarizing data graphically & numerically, probability distributions, confidence interval estimation, hypothesis testing, correlation & regression. Gordon Rule course: Minimum grade of C required if STA2023 is used to satisfy Gordon Rule & general education requirements.

This syllabus is a contract between the student and the instructor. By enrolling in this course, the student agrees to and accepts the terms and conditions of this contract. It is the responsibility of the student to carefully read this syllabus/contract in its entirety and to adhere to all policies and procedures within the syllabus.

Book Material (in order covered this semester):

Chapter 1: Introduction to Statistics; Chapter 2: Descriptive Statistics; Chapter 4: Discrete Probability Distributions; Chapter 5: Normal Probability Distributions; Chapter 6: Confidence Intervals; Chapter 7: Hypothesis Testing with One Sample; Chapter 8: Hypothesis Testing with Two Samples; Chapter 9: Correlation and Regression; Chapter 10: Chi-Square Test

Required Materials:

- MyStatLab Access Code: Required to access Homework and Quizzes (~\$97.60 from Valencia Bookstore)
- Graphing Calculator: TI-84 is required. It will be used in video demonstrations, calculator help sheets and in lecture videos. (TI-83 will not work for some chapters)
- *You are not required to purchase a physical copy of the textbook, as there is a digital version of the textbook available via MyStatLab. However, keep in mind that you will have required readings each week.

Math Assistance Outside of the Classroom:

- Office Hours are posted above in this Syllabus. We are interested in your success in this course. Do not hesitate to come by with any questions you have!
- Email your Professor any day or time!
- The Math Center is a great resource free of charge to you. All Valencia campuses have a tutoring/resource center available to you. For more information, you can visit the website: <http://www.valenciacollege.edu/tutoring/> to find hours of operation and locations.
- Inside the MyStatLab program, there are help features available to you during your online homework that can assist you by providing a different similar example, help you solve the problem, or quick link to ask your instructor.
- Smarthinking Online Tutoring offers tutoring in a variety of subjects. You have several options: drop-in tutoring, scheduled appointments, offline questions, and paper submissions to the Writing Center. Math tutors are available 24/7. There are also apps available for both iOS and Android devices. You can access Smarthinking through the Courses tab in Atlas. Please note you have an eight-hour limit of usage per semester so this resource is best used as a back up to on-campus services and support, not as a replacement for them.

Withdrawal Policy:

Always seek advice from the instructor or from an academic advisor prior to withdrawing from any course, as it may affect any financial aid you may receive or have other negative consequences. If you decide to withdraw, per Valencia Policy 4-07 (Academic Progress, Course Attendance and Grades, and Withdrawals), note that a student who withdraws from class before the withdrawal deadline of March 20th will receive a grade of “W”. A student is not permitted to withdraw after the withdrawal deadline. Any student who withdraws or is withdrawn from a class during a third or subsequent attempt in the same course will be assigned a grade of “F”. For a complete procedure overview on Valencia Policy 4-07 please go to: <http://valenciacollege.edu/generalcounsel/policydetail.cfm?RecordID=75>

* In the online environment, repeated missed assignments and/or long periods of inactivity are interpreted as excessive absences. If you do not complete the all of the online activities that take place during the first week of class, you will be withdrawn from the course and reported as a “no-show” to the Registrar’s Office. I will not withdraw a student based on lack of attendance, it is your responsibility to withdraw yourself if you wish to by the deadline.

Homework:

There will be homework assignments administered online through the web-based software MyStatLab that accompanies your textbook. The deadlines for each of the homework assignments can be found in MyStatLab and on the calendar in Canvas. You will be able to “redo” each problem on the assignments until you get them correct up until the deadline. This means you could earn 100%'s on your homework since you are able to redo your work on any incorrect questions.

Quizzes:

There will be quizzes online in MyStatLab. No quiz grades will be dropped. You have unlimited attempts on each quiz.

Exams:

There will be a midterm exam and a comprehensive final exam. They must be taken on campus in a proctored testing center. Students will have approximately 5-7 days in which to take each exam. Missed tests cannot be made up, so be sure to have a plan that will allow for you to take both exams on time. Be aware of the test dates, there will be no make-ups.

Proctoring:

If you live within the Orlando area, you may take these exams at any of the Valencia campuses West, East, Winter Park, Osceola, Lake Nona or Poinciana. If you live outside the Orlando area, you may have the exams proctored at another college or university center but you must make those arrangements. You must submit your choice via Canvas assignment "Proctor Information" for both the midterm & final exam by the end of the second week of class. If I do not hear from you by the end of week 2, I will automatically send your exam to West campus testing center.

Course Grading Percentages:

20% Homework (MyStatLab)

20% Quizzes (MyStatLab)

20% Discussions/Assignments (Canvas)

20% Midterm Exam (Testing Center)

20% Final Exam (Testing Center)

* You will may need to use technology in order to complete and submit some assignments in Canvas (in some cases by scan and upload).

Course Grading Scale:

A 90-100%; B 80-89%; C 70-79%; D 60-69%; F 0-59%; End-of-term averages will be rounded to the nearest whole number. All grades will be in the Canvas gradebook.

Online Behavior:

Please note that online students are expected to be courteous and respectful of one another in their posts to the course discussion board. We will be polite and helpful to one another, just as if we were in a classroom together. Students who violate this rule will be immediately disciplined in the manner deemed appropriate by the instructor. This may include withdrawal from the course.

Deadline Policy:

Please note that all deadlines are absolute and will not be extending for individual students. However, I do understand that "life happens" sometimes and therefore all of the homework and quizzes in MyStatLab have a late policy. For homework, any problems completed after the due date of the assignment will receive a 10% penalty on grade earned after the deadline. For quizzes, final quiz grade earned will receive a 10% penalty if completed after the deadline.

Academic Honesty:

You are expected to do your own work on quizzes, tests and exams. Providing information to another student or receiving information from another student is considered cheating. I reserve the right to determine the appropriate penalties within Valencia College's academic honesty policies if you are observed cheating. Using any human, written, electronic, or other resource in any manner not explicitly authorized by the instructor will result in a grade of zero on the test(s) or assignment(s) involved. Simply stated, cheating will not be tolerated. Valencia's Academic Honesty Policy: <http://valenciacollege.edu/generalcounsel/policy/documents/8-11-NF-NN-Academic-Dishonesty.pdf>

Valencia Student Core Competencies:

Valencia faculty have defined four interrelated competencies (Think, Value, Communicate, Act) that prepare students to succeed in the world community. These competencies are outlined in the College Catalog. In this course, you will further your mastery of those core competencies. Additional information is available on the college web site at: <http://valenciacollege.edu/competencies/>

Office for Students with Disabilities:

Students with disabilities who qualify for academic accommodations must provide a Notification to Instructor (NTI) form from the Office for Students with Disabilities (OSD) and discuss specific needs with the professor, during the first two weeks of class. The office for Students with Disabilities determines accommodations based on appropriate documentation of disabilities.

Contact information for the West Campus OSD is as follows:

SSB, Room 102, Phone: 407-582-1523, Fax: 407-582-1326, TTY: 407-582-1222

Life Help (BayCare):

Valencia College has contracted with a private and confidential counseling service (**Bay Care Behavioral Health Student Assistance Program (SAP)**) to provide FREE short-term assistance to students who need to resolve problems that are affecting their college performance. Examples might include: stress, relationship/family issues, alcohol/drug problems, eating disorders, depression, and gender issues. Students who are experiencing any of these issues and who are enrolled in credit classes at Valencia should call the toll-free number 1-800-878-5470 to speak to a professional counselor. If needed, the counselor may refer the student to appropriate resources or to speak face-to-face with a licensed counselor. For more information, call or visit a Counselor in Student Services on any campus.

Disclaimer:

Changes to this course and syllabus may be made at any time, at my discretion. Should this occur, you will be notified of the changes.