

STA2023 – Statistical Methods
Course Syllabus
Fall 2021

Description: An introductory statistics course covering collection, description and interpretation of data. Topics include graphical and numerical summaries of data, statistical design, probability and random variables, confidence interval estimation, hypothesis testing, correlation and simple linear regression. Minimum grade of C required if STA 2023 is used to satisfy Gordon Rule and general education requirements. **Prerequisite:** Minimum grade of C in STA1001C, MAT1033C, MGF1106, MAC 1105 or satisfactory score on an approved assessment.

Course Learning Outcomes	General Education Program Learning Outcomes
Examine data trends using descriptive statistics.	Critical Thinking: Effectively analyze, evaluate, synthesize, and apply information and ideas from diverse sources and disciplines.
Examine the statistical elements of a research study.	
Apply regression techniques to linearly related data.	Quantitative Reasoning: Use processes, procedures, data, or evidence to solve problems and make effective decisions.
Make decisions using inferential statistics.	

INSTRUCTOR INFORMATION

Name: Professor Roberta Carew
Phone: (407)582-5605
E-mail address: rbrown75@valenciacollege.edu
Office Location: Downtown Campus, DPAC 340 C

Office Hours:

Day	Time	Location
Monday	1:00 – 2:30pm	In-person or via Zoom meetings by appointment. Via email, Canvas messages or the LINE app.
	3:45 – 5:00pm	Via email, Canvas messages or the LINE app.
Tuesday	9:00 – 10:00am	In-person or via Zoom meetings by appointment. Via email, Canvas messages or the LINE app.
	12:45 – 1:00pm	After class in DPAC 252
Wednesday	1:00 – 2:30pm	In-person or via Zoom meetings by appointment. Via email, Canvas messages or the LINE app.
	3:45 – 5:00pm	Via email, Canvas messages or the LINE app.
Thursday	9:00 – 10:00am	In-person or via Zoom meetings by appointment. Via email, Canvas messages or the LINE app.
	12:45 – 1:00pm	After class in DPAC 252
Friday	12:00 – 2:00pm	Via email, Canvas messages or the LINE app.

*You may contact me directly using the LINE app. My LINE ID is: professorcarew. To make an appointment for a virtual office visit, use this link:

<https://outlook.office365.com/owa/calendar/ProfessorCarewsVirtualOffice@valenciacollege.edu/bookings/>

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. 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 will normally respond to emails within 24-48 hours, but this does not include weekends.

Note: The Downtown Campus is a partnership between Valencia College and UCF. Some courses you take here may be cross-listed, meaning that the course is open for enrollment to students of both institutions. As a result, policies, resources, and materials may differ from courses taught at other Valencia or UCF campuses. This STA2023 class is a cross-listed Downtown Campus course.

REQUIRED MATERIALS

Text: Intro to Statistics by Carew, DeVoe & Lang (V5)

Downtown Campus Bookstore only

<https://ucf-vc.bncollege.com/shop/ucf-valencia/home>

NOTE: A digital copy of this text is available within our Canvas course. You have the option to use the free digital copy, to print pages on your own at your discretion or to purchase the printed version sold through the bookstore for your convenience. You will be required to submit homework from this book as a graded assignment. This requires either (1) physically writing on the printed pages of the book or (2) having the means to write electronically on the digital pages. Keep this in mind as you make a decision about materials. Handwritten homework on looseleaf paper will not be accepted.

Technology: You should have access to a computer or laptop and reliable wifi.

Calculator: A graphing calculator that does not perform symbolic manipulations is required. The TI-84+ is used for in-class demonstrations and is particularly recommended. If you are receiving financial aid it may be possible to utilize some of your funds to purchase your calculator. Check with the financial aid office. There are also a limited supply of calculators available for semester-loan. Please contact me for more information.

RESOURCES

- Your instructor – Please ask questions regularly!
- Your peers – Many students find it extremely helpful to form study groups with their classmates. This practice is highly recommended.
- BayCare Behavioral Health Student Assistance Program (SAP)

Students can get immediate help that may assist them with psychological issues dealing with stress, anxiety, depression, adjustment difficulties, substance abuse, and time management, as well as relationship problems dealing with school, home or work. BayCare Behavioral Health Student Assistance Program (SAP) services are free to students and **available 24 hours a day** by calling (800) 878-5470. Free face-to-face counseling is also available. Please contact your counselor as a first resource if possible! We cannot help if we do not know what you need. Please communicate!

- Learning Support Center Resource Information (Downtown Campus)

The Learning Support Center (LSC) offers walk-in tutoring for subjects like biology, chemistry, anatomy & physiology, psychology, and mathematics. Additionally, there are equipment loans available for items such as laptops, iPads, TI-84 Plus calculators, scientific calculators, Wacom tablets, and headphones. All of these services will be offered at various times within the following hours of operation:

- Monday– Thursday: 9 am – 9 pm

Learning Support Services will continue to offer Distance (online) Tutoring & Tech Support during the Fall 2021 semester in an effort to ensure students will be able to access tutoring via the modality that best fits their needs. We have a team of over 200 tutors providing live assistance across various hours:

- Monday through Friday: 10 am - 9 pm
- Saturday and Sunday: 11 am - 7 pm

The free online tutoring is available to all students enrolled in Downtown campus courses and is offered in a small group format. Online tutoring is mobile-friendly and works best with the use of a microphone and/or video; however, whiteboard and chat options are available as well.

To access Distance Tutoring and view the schedule, Downtown campus students should visit www.valenciacollege.edu/tutoring.

CLASS POLICIES

Attendance

Attendance is important and active participation in class is of even greater value. You are expected to attend every class meeting unless illness or emergency makes it impossible for you to do so. You are responsible for any information and assignments that are given during class, whether or not you are present. You are expected to be in class on time, and to remain in class for the entire period. If you are not in attendance during the first week of classes, you will be reported as a “no show” and the specific no-show policies of your home institution will be followed. This is a federal regulation and may impact your continued enrollment in the course or the awarding of financial aid.

- Valencia College requires that students be withdrawn from the class as a "no show." If you are withdrawn as a “no show,” you will be financially responsible for the class and a final grade of “WN” will appear on your transcript for the course.
- UCF requires that students be marked as absent becoming ineligible for federal financial aid.

If you are unable to participate in the course due to illness, family emergency, etc., please communicate with me as soon as possible in order to create a plan for the best course of action. In the case of a prolonged absence of one week or more, we will need to discuss options and determine your capacity to continue in the course. I cannot help if I am unaware of your needs.

COVID-19 Wellness, Reporting, and Support: If you find yourself feeling unwell and suspect you might be experiencing symptoms of COVID-19, test positive for COVID-19, or have been in close contact with someone who has the COVID-19 virus, **please stay home**.

Please also report this to the appropriate institutional contact so they can determine how to best support you:

- **Valencia students:** Valencia's COVID-19 case manager Tanya Mahan, at COVIDillness@valenciacollege.edu,
- **UCF students:** Call the UCF COVID Line at 407-823-2509.

Mask policy and CDC Physical Distancing Guidelines: The health and safety of everyone at the college is our top priority. Therefore, **anyone attending the class is expected to wear masks indoors and maintain physical distancing**. If you do not have a mask, the college will provide one for you. You may find it helpful to refer to current research on the importance of masking for public safety. Feel free to check out the CDC guidelines on masking, [located at this link](#).

Policy on Recording Class Lectures: Students may record video or audio of class lectures for their own personal educational use. Recording class activities other than class lectures, including but not limited to class discussions, student presentations, labs, academic exercises involving student participation, and private conversations, is prohibited. Recordings may not include the image or voice of other students in the class, and are not a substitute for class participation and class attendance. Such recordings may not be published or shared without my written consent. Failure to adhere to these requirements may constitute a violation of the College's Student Code of Conduct.

Withdrawal

A student who withdraws from class before the withdrawal deadline will receive a grade of "W." A student is not permitted to withdraw after the withdrawal deadline. Any student who withdraws from a class during a third or subsequent attempt in the same course will be assigned a grade of "F." If you fail to withdraw yourself by the withdrawal deadline, you **will not be withdrawn** by your professor. You will receive the final grade as calculated using all assignments through the end of the course.

Valencia College Withdrawal Deadline: November 3, 2021

UCF Withdrawal Deadline: October 29, 2021

Academic Honesty

Honesty and integrity reward you in many ways, including avoidance of a grade of zero which is assigned to any student who cheats on any test or assignment. All homework, exams and graded assignments are to be exclusively your own work, unless you receive instructions to collaborate. 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. The second violation of this policy will result in a grade of "F" in the course. Cheating is not tolerated.

Grading

Partial credit on exams and assignments is sometimes given, when appropriate, solely at the discretion of the instructor. Grades will not be disclosed over the telephone or via e-mail. You can review your grades and standing in the course by accessing the Canvas gradebook. You may meet with me virtually if you wish to discuss your grade.

Homework/Projects

Completion of homework and projects on a regular basis is crucial to your success. Homework will be completed via supplemental exercises at the end of each in-class lesson. Projects will be assigned to assess your mastery of key course learning outcomes. You will complete these assignments and upload them via Canvas for grading. You are encouraged to seek assistance from the instructor or utilize learning support services if you are having difficulty with course material.

Quizzes

There will be short quizzes in this class. No make-up quizzes will be given. No quiz grades will be dropped.

Testing

You must complete each exam within the time allotted. Each exam score will be used in the computation of your overall grade. There are no “dropped” exam scores. Make up exams will be discussed on a case-by-case basis and may require documentation of extenuating circumstances. If you know in advance that you will miss an exam, it may be possible to arrange to take it early.

Failure to take the Comprehensive Final Exam or complete the final presentation will result in a grade of ZERO on the assignment. IF MISSED THEY CANNOT BE MADE UP. The date and time are posted at <http://valenciacollege.edu/calendar/FinalExam.cfm>. Your final grade will be calculated as is with the grade of zero for the final exam and the resulting grade will be awarded.

Special Accommodations

Students with disabilities who qualify for academic accommodations must provide a letter from the Office for Students with Disabilities (OSD) or Student Accessibility Services (SAS) and discuss specific needs with the professor, preferably during the first two weeks of class. These offices determine accommodations based on appropriate documentation of disabilities.

Policy Website Links: <http://valenciacollege.edu/osd/> <https://sas.sdes.ucf.edu/>

Course Grade Determination

<u>Category</u>	<u>Weight</u>
Attendance/Participation/Homework	15%
Quizzes	15%
Projects	40%
Midterm Exam	15%
Final Exam	15%

The following scale will be used for graded assignments and the course grade:

90 - 100%	A
80 – 89.9%	B
70 – 79.9%	C
60 – 69.9%	D
Below 60%	F

Changes in the syllabus, schedule, and/or assignments for this class may be made at the discretion of your instructor.