

# Statistical Methods – STA2023

## Spring 2021 – Online

### Description

Prerequisite: Minimum grade of C in STA1001C, MAT1033C, MAC 1105 or satisfactory score on an approved assessment. This is an introductory statistics course covering collection, description and interpretation of data. Topics include sampling, summarizing data graphically and numerically, probability distributions, confidence interval estimation, hypothesis testing, correlation and regression. Gordon Rule course. Minimum grade of C required if STA2023 is used to satisfy Gordon Rule and general education requirements.

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### Instructor Information

Name: Professor Roberta Carew  
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Office Location: Downtown Campus, DPAC 340 C

*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 is a cross-listed Downtown Campus course.*

### Office Hours:

Day	Time	Location
Monday	1:00 – 2:00pm 4:00 – 5:00pm	Via email, Canvas messages or the LINE app. Zoom meetings by appointment.
Tuesday	9:30 – 11:30am 4:00 – 5:00pm	Via email, Canvas messages or the LINE app. Zoom meetings by appointment.
Wednesday	1:00 – 2:00pm	Via email, Canvas messages or the LINE app. Zoom meetings by appointment.
Thursday	9:30 – 11:30am	Via email, Canvas messages or the LINE app. Zoom meetings by appointment.
Friday	9:00 – 11:00am	Via email, Canvas messages or the LINE app. Zoom meetings by appointment.

\*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. I have found 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 will normally respond to emails within 24-48 hours but this is not a guarantee across the weekend.

## GENERAL COURSE INFORMATION

### *Text Information*

The text for this course is: Stats Modeling the World by Bock, Velleman, DeVeaux, 5th edition. You will complete online homework that will be a part of your grade through MyStatLab (not the same as MyMathLab). **A student access code is required** when you register for the course in MyStatLab. You are not required to purchase the physical textbook as an electronic version of the text is available in MyStatLab. However, keep in mind that there will be required readings from the text. **You do NOT need a Course ID to register for this course.** Follow the directions posted in Canvas. Use the Downtown Campus Bookstore website to order course materials for Downtown Campus classes: <https://ucf-vc.bncollege.com/shop/ucf-valencia/home>


### *Calculator*

A graphing calculator that does not perform symbolic manipulations **is required**. The TI-84+ is used for in-class demonstrations and is recommended. I have provided links to how-to videos in Canvas. You may always ask for help if the tutorial videos do not answer your questions. There are also a limited supply of calculators available for semester-loan please contact me for more information.

### *Distance Tutoring and Technology Support*

You can easily access Valencia's *free* distance tutoring and tech support from a computer, laptop or mobile device. If you do not have a laptop or reliable access to the internet, please contact me right away for recommendations of resources that may be able to provide additional support.

**Distance tutoring services** are provided fully online via Zoom. Through this service, you will receive real-time assistance via a Valencia tutor. Online tutoring is offered in mathematics, sciences, accounting & economics, computer programming, EAP and foreign languages, and writing.

**Online Learning Technology Support services** are also available. You can receive assistance with navigating: Canvas, OneDrive, Zoom, YouTube, and Microsoft Office (Word, Excel, & PowerPoint). Support is also provided for video editing (via iMovie and MovieMaker) and converting documents from a Mac to a PC. Tech support is available live (on-demand) via Zoom, by appointment, or via email. You are encouraged to use the 24/7 Canvas Help located inside Canvas by clicking on the "Help" icon .

To get started, please visit [www.valenciacollege.edu/tutoring](http://www.valenciacollege.edu/tutoring). Through this site, you can view the schedule of tutors/tech support assistants, find available times, learn more about the services, and access a collection of supplemental resources that are available 24/7.

**Hours of Operation:**  
**Monday through Thursday: 7 am - 12 am (midnight)**  
**Friday: 7 am - 5 pm**  
**Saturday and Sunday: 9 am - 6 pm**

## ***Fairness Statement***

Valencia is a great place for students with multiple obligations to pursue an education, as we offer many different class scheduling options and we are committed as an institution to helping students reach their goals. However, it is crucial to the success of our students after graduation (or upon transfer) that we maintain the academic integrity of our classes. Please understand that all students must earn grades using the same scale in order to maintain integrity and provide a level of fairness to all students within a class. Many students are working full time and supporting/raising families, often as single parents. During these challenging times, I am always willing to talk to you and to advise you. I am willing to do what I can, but in an equitable way, to help you stay on track towards your academic goals. Please pay close attention to deadlines as they will not be extended for individual student without extenuating circumstances.

*NOTE: 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 to complete any missed assignments so that your learning can progress in your course. In the case of a prolonged online absence, please communicate with me as soon as possible in order to create a plan for the best course of action.*

## **COURSE REQUIREMENTS**

### ***Outline:***

The course will be divided into three units. A midterm exam will be given over Unit 1 and Unit 2. There will be a comprehensive final exam. Below is a schedule showing the content:

### ***Text Material Test Date***

Unit 1: Chapters 1 – 5

Unit 2: Chapters 10, 11, 17-20

### **Midterm Exam**

Unit 3: Chapter 12, 17, 22

Unit 4: Chapter 21, 23, 6, 7

### **Comprehensive Final Exam**

### ***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) so there is no reason why you should not get 100% for each assignment as long as it is completed on time.

### *Quizzes*

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

### *Exams*

There will be a midterm exam and a comprehensive final exam. More details will be provided regarding completion of these exams in Canvas.

### *Projects/Discussion Posts*

There will be projects and discussion posts to be submitted during the semester. The total points that you earn will be your score for this component of your grade. **These assignments will be located in Canvas.** You will need to use technology in order to complete and submit these assignments (in some cases by scan and upload).

### *Grading:*

<u>Component</u>	<u>Points</u>	<b>Your grade will be assigned as follows:</b>
1st Week Attendance Activities	25	1000 – 900 Points (90%-100%) – A
Online Homework	225	
Canvas Assignments	150	899 – 800 Points (80% - 89%) – B
Quizzes	200	
Midterm Exam	200	799 – 700 Points (70% - 79%) – C
Final Exam	200	699 – 600 Points (60% - 69%) – D
<b>Total Points:</b>	<b>1000</b>	< 600 Points (Less than 60%) – F

## **COURSE POLICIES**

### ***Withdrawal Policy***

- The deadline for withdrawing oneself from class with a grade of W is **March 26, 2021**. 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."
- The instructor **will not withdraw** students after the withdrawal deadline.

### ***Attendance Policy***

- In the online environment, repeated missed assignments and/or long periods of inactivity are interpreted as excessive absences.
- In compliance with federal regulations, if you do not complete the required attendance activities that take place during the first week of class, this must be reported in the manner outlined by the educational institution at which you are enrolled.
  - 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.

### ***Online Behavior Policy***

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 policy will be immediately disciplined in the manner deemed appropriate by the instructor. This may include removal from the course. The Student Code of Conduct applies to online and virtual behavior as well as in-person or classroom behavior.

[Valencia College Student Code of Conduct](#) and [UCF Student Code of Conduct](#)

### ***Homework/Exam Deadline Policy***

Please note that all deadlines are absolute and will not be extended for an individual student; unless you have extenuating circumstances (hospitalization of self or immediate family member, death in the family, etc.). Please plan your schedule accordingly. In the event of an extension for the entire class, I will notify the class via Canvas email.

### ***Academic Honesty***

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.

## ***Communication***

I will communicate to you primarily through Canvas announcements and messaging. Please use this method to contact me as well. However, I may also use your student email address as a means of contacting you if you cannot be reached in Canvas. It is your responsibility to check and read your email frequently. It is also recommended that you download the Canvas mobile app for easy access to course communications and updates.

## ***Special Accommodations***

Students with disabilities who qualify for academic accommodations must provide a letter from the Office for Students with Disabilities (OSD) or UCF 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 Link:

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

## ***Student Resource for Assistance***

We are interested in making sure all students have a rewarding and successful college experience. Students can get immediate help with issues dealing with stress, anxiety, depression, adjustment difficulties, substance abuse, time management, relationships, or any other problems associated 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!

## ***Valencia Core Competencies***

Valencia Community College desires their graduates to possess and demonstrate a set of global competencies including the ability to THINK, COMMUNICATE, VALUE AND ACT. In an effort to help you acquire and improve your ability to demonstrate the competencies this course will include activities that require you to:

1. Think clearly, critically and creatively.
2. Communicate with others in written and verbal form.
3. Make reasoned value judgments and responsible commitments.
4. Act purposefully, reflectively and responsibly.

These competencies are also discussed in your student handbook. You should read your student handbook!

The instructor may change this syllabus and any policy by providing written notice via email. In addition to the policies outlined above, the instructor adheres strictly to all school policies. You should familiarize yourself with institutional policies, including those concerning academic honesty, classroom conduct, and withdrawal from class.