

Welcome to **STA2023: Statistical Methods for Spring 2022!** I am excited to partner in your learning this semester. Please carefully review this **course syllabus** for lots of important details about the course. I look forward to a successful semester together!



HOW CAN YOU REACH ME AND WHERE CAN YOU FIND ME?

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

Student Engagement Hours:

Day	Time	Location
Monday	1:00 – 3:00pm	Via Zoom meetings by appointment. Via email, Canvas messages or the LINE app.
Tuesday	8:00 – 10:00am	In-person or via Zoom meetings by appointment. Via email, Canvas messages or the LINE app.
	12:45 – 1:15pm	After class in DPAC 252
Wednesday	1:00 – 3:00pm	Via Zoom meetings by appointment. Via email, Canvas messages or the LINE app.
Thursday	8:00 – 10:00am	In-person or via Zoom meetings by appointment. Via email, Canvas messages or the LINE app.
	12:45 – 1:15pm	After class in DPAC 252
Friday	1:00 – 2:00pm	Via email, Canvas messages or the LINE app.

*You may text me directly using the LINE app. My LINE ID is: professorcarew. To make an appointment for a virtual office visit, use this link: <https://tinyurl.com/ProfCarewAppt>

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 and thus will not be as available during those times. I will normally respond to emails within 24-48 hours, but this does not include weekends.

WHAT WILL YOU LEARN THIS SEMSTER?

Course 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.

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.	

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.

HOW CAN YOU BE SUCCESSFUL IN THIS COURSE?

Here are the course materials you will need:

Text: Intro to Statistics by Carew, DeVoe & Lang (V5)
Downtown Campus Bookstore only
<https://ucf-vc.bncollege.com/shop/ucf-valencia/home>

To cut down on textbook cost, a digital copy of this text is available within our Canvas course. You have the option to use the free digital copy or to print the pages on your own. For convenience, you can also purchase the printed version sold through the bookstore. Please keep in mind that you must have access to the textbook during each class session and it will be required for the submission of homework assignments regularly.

Technology: You should have access to a computer or laptop and reliable wifi as some interaction with Canvas will be required.

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.

Here are some suggested resources that can help you:

- **ME** – Please ask questions regularly!
- **Your peers** – Many students find it extremely helpful to form study groups with their classmates. This practice is highly recommended.
- **Learning Support Center** (Downtown Campus)
 - The Learning Support Center (LSC) offers **walk-in tutoring** for many subjects including math. Additionally, there are equipment loans available for items such as laptops, iPads, TI-84 Plus calculators, scientific calculators, Wacom tablets, and headphones.
Hours of operation: Monday – Thursday: 9 am – 9 pm
 - Learning Support Services also offers free **Distance (online) Tutoring & Tech Support** in a small group format. We have a team of over 200 tutors providing live assistance:
Monday through Friday: 10 am - 9 pm and Saturday & Sunday: 11 am - 7 pm
 - **To access Distance Tutoring** and view the schedule, all Downtown campus students should visit www.valenciacollege.edu/tutoring. 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.

- **Mental health and wellness services** – 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.
 - **Valencia College:** 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.
 - **UCF:** Counseling and Psychological Services (CAPS) offers a variety of services based on many factors, including your current concerns and need. For more information please visit: <https://caps.sdes.ucf.edu/services/>
- **Special Accommodations** – Students with disabilities who qualify for academic accommodations should contact the Valencia Office for Students with Disabilities (OSD) or UCF Student Accessibility Services (SAS). Please feel free to discuss your specific needs with me, preferably during the first two weeks of class.
 - **Valencia College:** <http://valenciacollege.edu/osd/>
 - **UCF:** <https://sas.sdes.ucf.edu/>

WHAT IMPORTANT POLICIES SHOULD YOU BE AWARE OF?

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, even when you are absent. Please reach out to me or to your peers to discuss what you missed. Plan 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 two weeks or more, we will need to discuss options and determine your capacity to continue in the course.

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. However, 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 not allowed. 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. Please be mindful of these requirements so as not to violate 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." Please do not assume you will be withdrawn by your professor. If you do not withdraw yourself by the withdrawal deadline, you will receive the final grade as calculated using all assignments through the end of the course. You will not be withdrawn by your professor.

Valencia College Withdrawal Deadline: March 25, 2022

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. Please note that cheating is not an effective method for learning and will not be tolerated.

HOW WILL YOUR LEARNING BE ASSESSED?

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. This requires either (1) physically writing on the printed pages from the book or (2) having the means to write electronically on the digital pages. Keep this in mind as you make a decision about course materials. **Projects** will be assigned to assess your mastery of key course learning outcomes. You will complete these assessments individually and submit them in class for grading. Handwritten homework or projects on looseleaf paper will not be accepted.

Quizzes

There will be short quizzes in this class. There will be no make-up quizzes given. However, advanced notice of all quiz dates will be provided and you are always welcome to take a quiz early if you know you will be absent on a day that a quiz is scheduled.

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, you can arrange to take it early. Please make a special note of the date and time of the comprehensive final exam and the final presentation for the term project. If you do not take the final exam or do not complete the final presentation it will result in a grade of zero on those assignments. The date and time are posted at <http://valenciacollege.edu/calendar/FinalExam.cfm> and indicated on our Course Calendar in Canvas.

Grading

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

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

This course will not utilize the UCF +/- grading system.

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

Spring 2022 Course Calendar
Tuesday/Thursday (F2F)

Wk #	Dates					
		Monday	Tuesday	Wednesday	Thursday	Friday
1	1/9 – 1/15		Intro & Syllabus Lesson 1.1		Lesson 1.2	
2	1/16 – 1/22	MLK Day CLOSED	Lesson 1.3 Quiz 1		Lesson 1.4 TP: Names	
3	1/23 – 1/29		Lesson 1.5 Quiz 2		Lesson 1.6 TP: Questions	
4	1/30 – 2/5		Review Histogram Project Due (Hand-in)		(Read Ch 2 Supplement) Lesson 2.1	
5	2/6 – 2/12		Lesson 2.2		Lesson 2.3 Quiz 3 TP: Proposal	
6	2/13 – 2/19		Lesson 2.4		Lesson 2.5	
7	2/20 – 2/26		Lesson 2.6 Quiz 4		Lesson 2.7 TP: Exp. Design	
8	2/27 – 3/5		Review		Midterm Exam P-hat Project Due (Hand-in)	
9	3/6 – 3/12	COLLEGE CLOSED – SPRING BREAK				
10	3/13 – 3/19		(Read Ch 3 Supplement) Lesson 3.1		Lesson 3.2 Quiz 5	
11	3/20 – 3/26		Lesson 3.3 TP: Sum/Graph		Quiz 6 Review Means Project Due (Hand-in)	Withdrawal Deadline
12	3/27 – 4/2		Lesson 4.1		Lesson 4.2	
13	4/3 – 4/9		Lesson 4.3 Quiz 7		Review TP Workday	
14	4/10 – 4/16		Lesson 5.1 TP: Hyp Test & CI		Lesson 5.2	
15	4/17 – 4/23		Quiz 8 Final Exam Review Regression Project Due (Hand-in)		Final Exam Part I TP Written Report Due (Hand-in)	
16	4/24 – 4/30		Final Exam Part II Presentations	<i>You will not attend class this week except for on the day of the final exam. See the College's Final Exam Schedule to find exam dates and times for this week: http://valenciacollege.edu/calendar/FinalExam.cfm</i>		

** This schedule is subject to change at any time by your professor. ***