**STA 1001C Introduction to Statistical Reasoning** **Face-to-Face**

# (12934) MW 8:30am-9:45 am East Campus 08-123 Fall 2019

**This syllabus is a contract between the student and the instructor. By enrolling in and then attending 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.**

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**Office Hours: MW: 10:00 – 11:00 am 08-207**

**MW: 1:00 – 2:00 pm 08-207**

**TR: 11:30 – 1:30 pm 08-207**

**F: 10:00 – 12:00 pm Email**

**Email**: Please regularly check your ATLAS email for course notifications.

**Required Course Materials**:

1) **A TI-83 or TI-84 graphing calculator is required for this course.**

2) A MyStatLab access code (Pearson product) is required to complete homework and quizzes.

3) STA1001C Student Course Materials packet from the bookstore (about $13)

**You must either already have an access code or purchase one online (about $90.00):**

Step 1: Go to [www.coursecompass.com](http://www.mymathlab.com/)

Step 2: Under Students, click on Register

Step 3: Enter the course ID howard65593 and click next. (Note the lowercase letters and no space between name and number.)

Step 4: Either click on Purchase Code or Already Have Code. Then follow the directions on setting up an account.

Note: If you ever have problems accessing the site through the above link, then go to [www.mathxl.com](http://www.mathxl.com) and log in through there as a MyMathLab user. You can contact Technical Support at 1-800-677-6337 (M-F 8am-5pm CST).

**Course Description**: Prerequisite: Min. grade of C in [MAT 0018C](http://catalog.valenciacollege.edu/search/?P=MAT%200018C) or appropriate score on an approved assessment. This course provides students with an opportunity to acquire a reasonable level of statistical literacy and expand their understanding of statistical approaches to problem-solving. The main objective of this course is the development of statistical reasoning techniques and an introduction to the statistical analysis process. (Special Fee: $42.00).

**Evaluation**: All grades are in MyStatLab. Your overall grade will be determined by:

**Tests: 40%**

**Homework: 15%**

**Quizzes: 15%**

**Lab: 10%**

**Attendance/Participation: 5%**

**Final exam: 15%**

“A” grade will be assigned for averages 89.5% or higher.

“B” grade will be assigned for averages 79.5% or higher and less than 89.5%.

“C” grade will be assigned for averages 69.5% or higher and less than 79.5%.

“D” grade will be assigned for averages 59.5% or higher and less than 69.5%.

“F” grade will be assigned for averages below a 59.5%.

**Note that no other rounding will be used, so please do not ask!**

**Tests**: There will be 3 in-class tests and 1 test given in lab. **There will be no makeup exams given without official documentation like a doctor’s note, court summons, etc.** Contact with instructor must be made by the scheduled exam day. In the event of a missed exam (or a low exam score), the final exam may replace one exam score (provided the final exam is a 70 or better).

**Homework**: There will be a homework assignment for each section which will be completed and submitted online. You may submit the homework as many times as you would like until the posted deadline. There will also be daily written homework assigned called Take It Homes. **There will be no makeup homework given.** One section of homework will be dropped at the end of the semester.

**Quizzes**: There will be quiz assignments regularly which will be completed and submitted online. You may submit the quizzes as many times as you would like until the posted deadline. **There will be no makeup quizzes given.** One quiz will be dropped at the end of the semester.

**Attendance/Participation**:

The learning experience in this course is interactive and participatory; therefore, attendance is a must! You are expected to attend **EVERY** class meeting. You will be allowed a maximum of **TWO** absences. After your second absence, **5 points** will be deducted **for each subsequent absence**, **REGARDLESS OF THE REASON.**

**Final Exam**: There will be a comprehensive final exam given during final exam week.

**Wednesday, December 11th from 7:00-9:30 am in 08-123**

**Extra Credit**: There will be two opportunities to earn extra credit points in the course.

1) Earn 5 extra credit points toward one test grade for either donating $6 to a non-profit organization, one hour of your time to a non-profit organization, or a pint of blood. Turn in your receipt on or before the day of the final exam.

2) Earn 1 extra credit point toward the final exam by completing the SFI at the end of the course when prompted through ATLAS. Select “Send Proof” so that your professor will receive notification of completion.

**Attendance Policy**: Attendance is expected of all students except in case of emergency. If you must be absent, it is your responsibility to find out what you missed either by contacting the instructor or another student. Please note that I do not withdraw students for lack of attendance. If you wish to withdraw from the course, please do so through ATLAS before the withdraw deadline.

**Withdrawal Policy**: Per Valencia Policy 4-07 (Academic Progress, Course Attendance and Grades, and Withdrawals), a student who withdraws from class before the withdrawal deadline of **November 1, 2019 (11:59 pm)** will receive a grade of “W.” A student is not permitted to withdraw after the withdrawal deadline. A faculty member MAY withdraw a student up to the beginning of the final exam period for violation of the class attendance policy. A student who is withdrawn by faculty for violation of the class attendance policy will receive a grade of “W.” 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 policy and procedure overview on Valencia Policy 4-07 please go to: <http://valenciacc.edu/generalcounsel/policydetail.cfm?RecordID=75>.

**Important Dates:** No class on: 9/2, 11/11, 11/27-12/1 Withdraw Deadline: 11/1

Final Exam Week: 12/9-12/15

**Tentative Schedule**

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| --- | --- | --- | --- |
| **Date** | **Monday** | **Wednesday** | **Wednesday Lab** |
| 8/26-8/30 | Lesson 1.1 | Lesson 1.1 | Learning Styles Inventory |
| 9/2-9/6 | **No Class** | Lesson 2.1 | Note-Taking Skills |
| 9/9-9/13 | Lesson 2.2 | Lesson 2.3 | Study Skills |
| 9/16-9/20 | Lesson 2.4 | Lesson 2.5 | Histogram and Boxplot Project |
| 9/23-9/27 | Review | **Test 1 (Ch 2)** | Personal Responsibility  (Victim vs. Creator) |
| 9/30-10/4 | Lesson 3.1 | Lesson 3.2 | Test-Taking Errors/Strategies  begin Time Mgmt Project |
| 10/7-10/11 | Lesson 3.3 | Lesson 3.4 | Finish Time Mgmt Project |
| 10/14-10/18 | Lesson 3.5 | Lesson 3.6 | Wise Choices |
| 10/21-10/25 | Lesson 3.7 | Lesson 3.7 | Review |
| 10/28-11/1 | **Test 2 (Ch 3)** | Lesson 4.1 | Graphing Activity |
| 11/4-11/8 | Lesson 4.2 | Lesson 4.2 | **Regression Project (Test Grade)** |
| 11/11-11/15 | **No Class** | Lesson 5.1 | **Regression Project (Test Grade)** |
| 11/18-11/22 | Lesson 5.2 | Lesson 5.3 | Victim vs Creator |
| 11/25-11/29 | Lesson 5.3 | **No Class** | **No Lab** |
| 12/2-12/6 | **Test 4 (Ch 5)** | Review | Final Exam Review |
| 12/9-12/13 | **No Class** | **Final Exam**  **7:00-9:30 am** | **No Lab** |

**STUDENT CODE OF CONDUCT:** All students are expected to be in compliance with Valencia College’s policy on student code of conduct.

<http://valenciacollege.edu/generalcounsel/policy/documents/Volume8/8-03-Student-Code-of-Conduct.pdf>

**ACADEMIC HONESTY:** All students are expected to be in compliance with Valencia College’s policy on academic honesty.

<http://valenciacollege.edu/generalcounsel/policy/documents/8-11-NF-NN-Academic-Dishonesty.pdf>

**WITHDRAWAL POLICY:** <http://valenciacollege.edu/generalcounsel/policy/documents/Volume4/4-07-Academic-Progress-Course-Attendance-and-Grades-and-Withdrawals.pdf>

**EAST CAMPUS LEARNING ASSISTANCE RESOURCES:** Tutoring services are provided on Valencia College’s East campus at the Learning Support Center in Building 4 – Room 101. The East Campus Learning Support Center strives to provide a safe, inclusive learning environment that motivates students to maximize learning opportunities, grow toward independence, and discover the lifelong learner within. [https://valenciacollege.edu/students/learning-support/east](https://valenciacollege.edu/students/learning-support/east/)

* **Math Support at the Learning Support Center**: The Math Center in Building 4 – Room 102 provides individual assistance to all Valencia students enrolled in any math course. Resources include walk-in tutoring, homework assistance, group tutoring, final exam reviews, PERT information, academic refreshers, and much more. The SPA (Specialized Prep Area) provides specific resources to students in entry level mathematics courses including study sheets for most mathematical concepts. Please check hours of availability at the following link: <https://valenciacollege.edu/students/learning-support/east/math/index.php>
* **Valencia’s Math Help 24/7:** Valencia Math professors have created pen-casts and videos of common lessons to help you learn the concepts being presented in class. This resource is located at <https://valenciacollege.edu/academics/departments/math-east/math-help.php>

Click on your course to view your lessons. Some lessons have more than one professor’s perspective; watch more than one!

* **Smart Thinking (Online Tutoring):** Smarthinking is an online tutoring tool available to all of Valencia’s students, and math tutors are available 24/7. Students can access Smarthinking through the Courses tab in Atlas, in the My Courses channel. Students have an eight hour limit of usage per semester, and therefore, Smarthinking is best used as a back up to on-campus services and support, not as a replacement. There are Smarthinking phone applications for both iOS and Android devices. <https://valenciacollege.edu/students/learning-support/smarthinking-online-tutoring.php>
* **Collegewide Math Support information:** <https://valenciacollege.edu/students/learning-support>

**STUDENTS WITH DISABILITIES:** Valencia students who qualify for academic accommodations must provide the professor with a Notification to Instructor (NTI) from the Office for Students with Disabilities (OSD). Students are expected to discuss their specific needs with the professor, preferably during the first two weeks of class. OSD determines accommodations based on appropriate documentation of disabilities. East: Bldg. 5, Rm. 216 Ph: 407-582-2229 Fax: 407-582-8908 TTY: 407-582-1222. Here are the campus locations and contact numbers: [https://valenciacollege.edu/students/office-for-students-with-disabilities](https://valenciacollege.edu/students/office-for-students-with-disabilities/)**NOTE TO INTERNATIONAL STUDENTS (F-1 OR J-1 VISA):** Please be advised that withdrawal from this course due to attendance may result in the termination of your visa status if you fall below the full-time enrollment requirement of 12 credit hours. Contact Valencia’s International Student Services office for more information. <http://valenciacollege.edu/international/>

**CORE COMPETENCIES OF A VALENCIA GRADUATE:**

Valencia’s Student Core Competencies are complex abilities that are essential to lifelong success. This course will help you to develop and demonstrate the abilities to:

1. THINK clearly, critically, and creatively;
2. COMMUNICATE with others verbally and in written form;
3. Make reasoned VALUE judgments and responsible commitments;
4. ACT purposefully, reflectively, and responsibly.

Due to the nature of these global competencies, many of the problems will be presented in the context of an application. These applications will require students to select appropriate information from the problem and communicate effectively in order to explain and/or describe how the student used the skills they are learning to arrive at an appropriate solution for the problem.

**STUDENT FEEDBACK ON INSTRUCTION:** Near the end of the term, students will receive an invitation through their Valencia ATLAS email account asking them to complete the Student Feedback on Instruction (SFI). This survey provides Valencia College professors with feedback on students’ experiences in courses and helps them to continually improve their courses. The results are released only *after* grades are submitted and students’ names are *not* included in the results – all responses will be anonymous.

**STUDENT ASSISTANCE PROGRAM:** 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.

**FERPA** *(Family Educational Rights and Privacy Act)*: FERPA is a Federal law that is administered by the Family Policy Compliance Office (Office) in the U.S. Department of Education (Department). 20 U.S.C. § 1232G; 34 CFR Part 99. FERPA affords students certain rights with respect to their educational records. Valencia College has a firm commitment to protecting the privacy rights of its students. For further information on FERPA, see: <http://valenciacollege.edu/ferpa/default.cfm#whatis>

**TITLE IX:** Valencia College strives to be a place free from all forms of discrimination. Title IX protects students from discrimination based upon sex including protections against sexual violence, domestic violence, and stalking. This also includes protections for students who are pregnant or may become pregnant. If you experience sexual violence, domestic violence, or stalking and would like assistance there are several options available to you. Valencia partners with the Victim Service Center of Central Florida which is a confidential resource available 24/7. They can be reached by calling 407-497-6701. If you would like assistance on campus, you can go to [www.valenciacollege.edu/eo](http://www.valenciacollege.edu/eo) or contact Valencia College’s Title IX and Equal Opportunity Officer, Ryan Kane, by emailing [rkane8@valenciacollege.edu](mailto:rkane8@valenciacollege.edu). If you would like to report to law enforcement, you may visit Campus Security or call 911.

Please note that there are no confidential resources on campus. As your professor, I am required to report any information mentioned in this statement to the appropriate campus resources. This will include your name, and detailed information shared with me. We take privacy very seriously at the College and only those who have a legitimate need to know the information will be provided with this information.

If you have more questions about Title IX or the College’s response, please visit [www.valenciacollege.edu/eo](http://www.valenciacollege.edu/eo).

**DISCLAIMER:** Changes in the syllabus, schedule, evaluation procedures, and/or homework assignments may be made at any time at the discretion of the professor. In case you are absent, it is **your** responsibility to find out what, if any, announcements or changes have been made.

**LAB:** This course includes a mandatory lab component that occurs once or twice each week in Building 7, Room 112 (students should refer to their class schedules for details). Each lab session will be conducted by an instructional assistant and will include an activity chosen by the course instructor.

Lab activities are designed to supplement and reinforce students’ understanding of the course concepts and provide students opportunities to develop their skills. In addition to being mandatory, attendance and participation in lab activities correspond to improved performance in the course, so it is in students’ best interests to treat the labs just as seriously as they regard the lectures.

While in lab, students are expected to:

* abide by Valencia’s student code of conduct policy.

<http://valenciacollege.edu/generalcounsel/policy/documents/Volume8/8-03-Student-Code-of-Conduct.pdf>

* adhere to Valencia’s integrity policy.

<http://valenciacollege.edu/generalcounsel/policy/documents/8-11-NF-NN-Academic-Dishonesty.pdf>

* bring all textbooks, lab manuals (if provided), writing utensils, paper, and any other materials necessary to the course, including their student identification cards to allow for attendance verification and equipment check out.
* make appropriate use of any available lab equipment.
* participate in lab activities for the entire duration of the lab.
* refrain from eating, drinking, or chewing gum.
* use cell phones only within the learning environment and only when permitted by the course or lab instructor.
* maintain an appropriate volume of voice and respect for the learning environment since lab sessions may be occurring simultaneously in the lab area.
* treat classmates, instructional assistants, faculty members, supplemental-learning leaders, and anyone else in the lab area in a professional, respectful, and civil manner.
* follow all instructions from the instructional assistants and lab aides.

Students can expect the lab staff (instructional assistants and senior instructional assistants) to provide:

* clear instructions for all lab activities.
* respectful and professional assistance with all lab activities.
* assistance with specialized equipment or materials necessary for lab activities.
* a safe environment in which to learn.