Instructor: Lynn Howard  
Email: LHoward13@valenciacollege.edu  
West Campus Office/Phone: Bldg 7, Room 212 (407-582-5629)  
West Campus Math Tutoring Lab: Bldg 7, Room 240  
Skype: ID: Prof.L.Howard

OFFICE HOURS (7-212)  
MON & WED: 1:00pm – 3:30pm  
TUES & THURS (8/26 - 9/30): 1:45pm – 3:15pm  
TUES & THURS (10/1 - 12/5): 1:45pm – 2:15pm & 5:15pm – 6:15pm

EMAIL CONTACT HOURS  
TUES: 8:00am – 9:00am  
FRIDAY: 8:00am – 9:00am

** Note: Students do not have permission to record (audio, video photo, text) communication sessions with the instructor.

Prerequisite: Grade of C or better in STA1001, MAT 1033, MAC1105, MGF 1106 or satisfactory score on approved assessment.

Course Description: Introductory statistics course covering data collection, description, & interpretation. Topics: sampling, summarizing data graphically and numerically, probability distributions, confidence intervals, hypothesis testing, correlation, regression. Minimum grade of C required if STA 2023 is used to satisfy Gordon Rule and general education requirements.

Required Educational Materials  
Calculator: TI 84 or TI 83 Calculator  

Attendance: Participation in online activities (Discussions, Assignments & Email) is similar to attendance in an on-campus course. Students are expected to participate in all online discussion activities and homework. Students are to complete all work on time. Work & Tests must be submitted on or before the due date. **Late work is NOT accepted.** Students are responsible for all information and announcements made in the Valencia-Atlas email and Canvas class environment for this course including discussion board. Failure to respond within 72 hours to a direct email inquiry by your instructor is considered to be a violation of the class attendance policy and may result in deactivation of course components or withdrawal from the course. **Be Responsible! Respond to Email!**

Valencia 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. For additional information see: http://valenciacollege.edu/competencies/

Academic Honesty
Students are expected to be in compliance with Valencia’s policies on academic honesty. Cheating & academic dishonesty of any type will not be tolerated. You are expected to do your own work on exams & assignments. Communicating with others during a test, providing or receiving exam information to or from other students is considered cheating. Lying to instructor to request special consideration is also academic dishonesty. Use of more time or resources than procedures define for an assignment or test is academic dishonesty. There are many other forms of academic dishonesty as well that your instructor will handle on a case-by-case basis. The instructor reserves the right to determine appropriate penalties within the aforementioned policies. **Be Honorable! Stay Honest!**

Students With Disabilities
Students with disabilities who qualify for academic accommodations must provide notification from the Office for Students with Disabilities (OSD) and discuss specific needs with the instructor, preferably during the first week of class. The Office for Students with Disabilities (West Campus: Bldg: SSB, Room 102, http://www.valenciacollege.edu/osd/) determines accommodations based on appropriate documentation of disabilities. Contact numbers for the OSD office are as follows: 407-582-1523 (Phone), 407-582-1326 (Fax), 407-582-1222 (TTY), 407-992-8941 (VP-Sorenson VRS)

Code of Conduct
Valencia is dedicated not only to the advancement of knowledge and learning, but is concerned with the development of responsible personal and social conduct. The instructor believes that the class environment should be a safe learning environment for all people. **Actions or utterances (verbal, written, pictorial or otherwise) that intentionally or unintentionally create the perception of a hostile learning environment for other students or the instructor will not be tolerated.** Please follow proper “netiquette” when communicating online via email, discussion postings or other communication such as “text-chat” or “video-conversation”. Accepted “netiquette” practice can be found at: http://valenciacollege.edu/oit/learning-technology-services/student-resources/academic-integrity/netiquette.cfm By enrolling at Valencia, you are responsible for abiding by general rules of conduct. See: http://valenciacollege.edu/pdf/studenthandbook.pdf

Communication
Misunderstandings, hurt feelings or frustration can sometimes occur quickly via written communication and/or in online environments without the face-to-face opportunity for clarification. Please **BE PATIENT** with each other, with the instructor and yourself. Try to do your best, to have good intentions and to take the viewpoint that others are doing the same. If you feel lost, confused, upset, or frustrated we’ll try our best together to change that. **You may email me at any time.** (Canvas email is preferable) I will answer within 24 hours (M-F), but often sooner. Please know that I as your instructor am doing my best as well!

Tutoring: Free tutoring on Valencia West Campus is available in the Math Support Center - Building 7, Room 240. Check it out!
**Evaluation:** Your grade for this course will be determined by: **Tests/Quizzes (50%), Homework (20%) Discussions/Activities (10%), Comprehensive Final Exam (20%).** All work and/or tests may or may not be weighted the same. Give your best effort to all tasks to get the best grade possible. Final grade calculations will be rounded to the nearest whole number and determined as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
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<tbody>
<tr>
<td>90 – 100</td>
<td>(A)</td>
</tr>
<tr>
<td>70 – 79</td>
<td>(C)</td>
</tr>
<tr>
<td>00 – 59</td>
<td>(F)</td>
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</tbody>
</table>

A student who scores less than 60% on the final exam will be assigned no course grade above a “C” regardless of overall average. In other words, course grades of “A” or “B” require a final exam score of 60% or higher in addition to the averages listed above.

During the first week of the course, students will be required to introduce themselves online, begin discussing statistics, register for MyStatLab, and identify an instructor approved testing center location for the final exam. Any student who fails to “check-in” properly the first week by completing ALL parts of the assignments above (directions online), will be considered a “No-Show” and will be withdrawn by the instructor. Withdrawing in other circumstances is the responsibility of the student. A grade of W is assigned to students who withdraw from the course before the term withdrawal deadline of **NOV 01**. A student is not permitted to withdraw after the withdrawal deadline. Any student who withdraws or is withdrawn from the class during a third or subsequent attempt in the same course will be assigned an F. An enrolled student who does not take the final exam will receive a grade of F. Students are required to maintain a Florida address during this course. The final exam must be taken on-time in a U.S. proctored test center approved by the instructor.

<table>
<thead>
<tr>
<th>Date</th>
<th>Book Sections &amp; Suggested Study Timeline</th>
<th>Due Dates: Tests, HW, Discussions, etc…</th>
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</thead>
<tbody>
<tr>
<td>Week 1</td>
<td><strong>Introductions &amp; Syllabus</strong></td>
<td><strong>#1 Check-in with the instructor &amp; Classmates (Directions online in Canvas)</strong> – Due 8/29</td>
</tr>
<tr>
<td>Aug 26 – Sep 01</td>
<td><strong>1.1 Overview of Statistics, Vocabulary</strong></td>
<td><strong>#2 Register for MyStatLab (Directions online in Canvas)</strong> – Due 8/29</td>
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<td></td>
<td>The first week, there is much to get used to and much to get setup and organized and much to do. To be successful in this class you must organize yourself as fast as possible and Keep Moving through the chapters!</td>
<td><strong>#3 Start Online Homework/Discussions for Ch 1</strong></td>
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<td></td>
<td>Try to do some coursework every day – <strong>Good Luck!</strong></td>
<td>It is Best to <strong>STAY AHEAD!</strong> of the Deadlines! READ the Chapters! Watch the Videos!</td>
</tr>
<tr>
<td>Week 2</td>
<td><strong>1.2 Statistical Vocabulary &amp; Data Types</strong></td>
<td><strong>Sep 07 (Sat): Due Ch 1 Discussions/Activities</strong></td>
</tr>
<tr>
<td>Sep 02 -08</td>
<td><strong>1.3 Experimental Design</strong></td>
<td><strong>Sep 08 (Sat): Due Ch 1 Homework(HW) &amp; Test</strong></td>
</tr>
<tr>
<td>Week 3</td>
<td><strong>2.1 &amp; 2.2 Frequency Distributions, Graphs/Charts/Displays</strong></td>
<td><strong>Sep 09 (Tue): Due Ch 2 Homework/Tests</strong></td>
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<td>Sep 09 –15</td>
<td><strong>2.3 Measures of Central Tendency</strong></td>
<td><strong>Sep 10 (Wed): Due Ch 3 Homework/Tests</strong></td>
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<td>Week 4</td>
<td><strong>2.4 Variation</strong></td>
<td><strong>Sep 11 (Thu): Due Ch 3 Homework/Tests</strong></td>
</tr>
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<td>Sep 16–22</td>
<td><strong>2.5 Position: Percentiles, Quartiles, Z-Scores</strong></td>
<td><strong>Sep 12 (Fri): Due Ch 3 Homework/Tests</strong></td>
</tr>
<tr>
<td>Week 5</td>
<td><strong>3.1 &amp; 3.2 Probability Experiments &amp; Conditional Probability</strong></td>
<td><strong>Sep 13 (Sat): Due Ch 3 Homework/Tests</strong></td>
</tr>
<tr>
<td>Sep 23–29</td>
<td><strong>3.3 &amp; 3.4 Mutually Exclusivity, Permutations, Combinations</strong></td>
<td><strong>Sep 14 (Sun): Due Ch 3 Homework/Tests</strong></td>
</tr>
<tr>
<td>Week 6</td>
<td><strong>4.1 Probability Distributions (Discrete)</strong></td>
<td><strong>Sep 15 (Mon): Due Ch 3 Homework/Tests</strong></td>
</tr>
<tr>
<td>Sep 30–Oct 6</td>
<td><strong>4.2 Binomial Distributions (Discrete)</strong></td>
<td><strong>Sep 16 (Tue): Due Ch 3 Homework/Tests</strong></td>
</tr>
<tr>
<td>Week 7</td>
<td><strong>5.1 &amp; 5.2 Normal Distribution and Finding Probability</strong></td>
<td><strong>Sep 17 (Wed): Due Ch 3 Homework/Tests</strong></td>
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<tr>
<td>Oct 07 –13</td>
<td><strong>5.3 Find data value given a probability</strong></td>
<td><strong>Sep 18 (Thu): Due Ch 3 Homework/Tests</strong></td>
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<td></td>
<td><strong>5.4 Central Limit Theorem</strong></td>
<td><strong>Sep 19 (Fri): Due Ch 3 Homework/Tests</strong></td>
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<tr>
<td>Week 8</td>
<td><strong>6.1 &amp; 6.2 Confidence Intervals (σ Known and σ Unknown)</strong></td>
<td><strong>Sep 20 (Sat): Due Ch 4 Homework/Tests</strong></td>
</tr>
<tr>
<td>Oct 14 –20</td>
<td><strong>6.3 Confidence Intervals (Proportion)</strong></td>
<td><strong>Sep 21 (Sun): Due Ch 4 Homework/Tests</strong></td>
</tr>
<tr>
<td>Week 9</td>
<td><strong>7.1 Intro to Hypothesis Testing (1 Sample)</strong></td>
<td><strong>Sep 22 (Mon): Due Ch 4 Homework/Tests</strong></td>
</tr>
<tr>
<td>Oct 21 –27</td>
<td><strong>7.2 Hypothesis Testing(1 Sample σ Known)</strong></td>
<td><strong>Sep 23 (Tue): Due Ch 4 Homework/Tests</strong></td>
</tr>
<tr>
<td>Week 10</td>
<td><strong>7.3 Hypothesis Testing(1 Sample- σ Unknown)</strong></td>
<td><strong>Sep 24 (Wed): Due Ch 4 Homework/Tests</strong></td>
</tr>
<tr>
<td>Oct 28 –Nov 3</td>
<td><strong>7.4 Hypothesis Testing(1 Sample Proportions)</strong></td>
<td><strong>Sep 25 (Thu): Due Ch 4 Homework/Tests</strong></td>
</tr>
<tr>
<td>Week 11</td>
<td><strong>8.1 Hypothesis Testing (2 Sample Independent- σ Known)</strong></td>
<td><strong>Sep 26 (Fri): Due Ch 4 Homework/Tests</strong></td>
</tr>
<tr>
<td>Nov 04 – 10</td>
<td><strong>8.2 Hypothesis Testing (2 Sample Independent-σ Unknown)</strong></td>
<td><strong>Sep 27 (Sat): Due Ch 4 Homework/Tests</strong></td>
</tr>
<tr>
<td>Week 12</td>
<td><strong>8.3 Hypothesis Testing (2 Sample Dependent)</strong></td>
<td><strong>Sep 28 (Sun): Due Ch 4 Homework/Tests</strong></td>
</tr>
<tr>
<td>Nov 11 – 17</td>
<td><strong>8.4 Hypothesis Testing (2 Sample Proportions)</strong></td>
<td><strong>Sep 29 (Mon): Due Ch 4 Homework/Tests</strong></td>
</tr>
<tr>
<td>Week 13</td>
<td><strong>9.1 &amp; 9.2 Correlation and Linear Regression</strong></td>
<td><strong>Sep 30 (Tue): Due Ch 4 Homework/Tests</strong></td>
</tr>
<tr>
<td>Nov 18 – 24</td>
<td><strong>9.3 Measures of Regression &amp; Prediction Intervals</strong></td>
<td><strong>Oct 1 (Wed): Due Ch 4 Homework/Tests</strong></td>
</tr>
<tr>
<td>Week 14</td>
<td><strong>10.1 Goodness of Fit/Chi Square Test</strong></td>
<td><strong>Oct 2 (Thu): Due Ch 4 Homework/Tests</strong></td>
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<tr>
<td>Nov 25-Dec 1</td>
<td>*** Thanksgiving ***</td>
<td><strong>Oct 3 (Fri): Due Ch 4 Homework/Tests</strong></td>
</tr>
<tr>
<td>Week 15</td>
<td>*** Review for Final Exam (Dec 02 to Dec 08) ***</td>
<td><strong>Dec 02 (Mon): Due 10.1 HW &amp; Test</strong></td>
</tr>
<tr>
<td>Week 16</td>
<td><strong>DUE: DEC 12 (Valencia West Campus Test Center)</strong></td>
<td><strong>Dec 04 (Wed): Exam available in Test Centers</strong></td>
</tr>
<tr>
<td>EXAM WEEK</td>
<td><strong>DECEMBER 10 (Other Campus or Out of State Locations)</strong></td>
<td>You may take the exam any date (starting 12/4) through the testing due date for your location.</td>
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</tbody>
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Changes to syllabus, schedule, evaluation procedures, and/or assignments may occur at any time via atlas email or Canvas course environment at the discretion of the instructor. It is your responsibility to find out what, if any, announcements or changes have been made.

WELCOME TO STATISTICS ONLINE!