Course Description

This course meets Area II requirements for both the A.A. and the A.S. general education requirements. This course is a study of the fundamental statistics topics, including normal and binomial distributions, measures of central tendency and variation, confidence intervals, hypothesis testing, sampling techniques, simple linear regression, correlation and nonparametric statistics. Course performance standards are available at http://www.scf.edu/Academics/Mathematics/Courses/STA2023ElementaryStatistics.asp and in the Mathematics Labs.

Prerequisites

A grade of “C” or better in MAT 1033 or equivalent. Student enrollment in any mathematics course is contingent upon approval of the Mathematics Department. This means that students who have been misplaced may have their schedules changed.

Text

Elementary Statistics, Navidi/Monk – An eBook is included in Connect. You do not need a physical textbook.

Canvas

A Help Discussion Board, Graded Discussion Boards, instructor created/supplied resources, the Orientation quiz and Ted Video quiz are all available in Canvas.

Connect

The eBook, Videos, Exam reviews and Homework assignments are all available on Connect which is an online learning system accessed with a user name and password. You may purchase an access code to Connect online or through the bookstore. You must be registered in Connect by 11:59 PM January 19th. Students who are not registered at that time will be reported as “no-shows”.


(All assignments for each unit will open and close on the same days. The assignments in Connect must be completed in order, so be sure to start early and complete the assignment well before the due date)

Contact tech support for Connect by clicking Help in the upper right corner of Connect. If you are having difficulty logging in, click Forgot your login info? on the login screen.

Graphing Calculator

A TI-83 or 84 Plus graphing calculator is required. Calculators with symbolic manipulation capabilities (e.g. TI-89 or 92, Inspire CX) may not be used.
**Communication**

Students are responsible for maintaining contact with the instructor and checking their Canvas e-mail regularly. Students must use Canvas e-mail in all correspondence with the instructor. E-mail is one of the main means of communication used in an online course. It is your responsibility to make sure you receive this information. If you do not appear to be receiving e-mails, contact your instructor immediately. All e-mails must be written using correct English structure, grammar and punctuation and be signed with your first and last name.

Students can typically expect to receive a reply within 48 hours, M-F. For questions on homework or general course concerns, you can use e-mail or the Ask the Instructor option in ConnectMath.

**Orientation**

There is an orientation session on Friday, January 16\(^{th}\) from 5:30 – 6:53 PM in room 123 of the Math building (27) on the Bradenton campus. Attendance is mandatory, regardless of whether you have taken an online class in the past.

**Required Initial Assignments**

In accordance with US Department of Education guidelines regarding class participation, the State College of Florida requires that all students complete an orientation and submit their required Week 1 assignments within each course(s) during the first 8 calendar days in a 16-week semester of class (due 72 hours after the drop/add period). The first calendar day of class is the official start date of the course as posted on the course syllabus. Assignments submitted prior to the official start date will not count toward your participation. Financial Aid cannot be released without class participation as defined above. Students who have already taken, and successfully completed, at least one or more class(es) with The State College of Florida will be dropped ONLY from any class(es) in which they are not participating. If you have any questions about your assignments, or you are unable to complete your assignments, please contact your instructor.

The required first-week assignments for this online elementary statistics course are 1) registering at ConnectMath and purchasing the Connect software and 2) completing the week 1 homework assignments in Canvas and Connect. The software must be purchased and you must be registered in ConnectMath by the eighth day of this semester (due 72 hours after the drop/add period). If you have not registered and completed the assignments by then you will be dropped from this class as a no-show.

The following tasks must be completed by **11:59 PM on January 19th** to receive credit.

1. Read and print the syllabus to keep track of course policies and important dates.
2. Take the orientation quiz on Canvas.
3. Register in ConnectMath. (The URL for ConnectMath is [www.connectmath.com](http://www.connectmath.com))
   Sign in as a new user. You will need the course code given on the syllabus, your purchased access code, and your student.scf.edu email address.
4. Complete the first two assignments in ConnectMath: Chapter 1 Videos and 1.1 homework.
5. Email the instructor at johnson@scf.edu stating that you have completed the first four tasks.
6. Attend orientation on campus.
How to Learn in this Online Class

Complete each assigned section by following these steps.

1. Read the section in the eBook.
2. Watch the assigned videos for the section (if any, not every section has a video). The videos are assigned as homework in Connect. Be sure to watch each video to receive credit.
3. Complete the Connect homework assignment for the section. Assignments must be completed in order even though, in each unit, they will have the same due dates.
4. Certain sections will have instructor-created/supplied resources in Canvas. You will receive an email letting you know when those are available.
5. Complete quizzes by the due date listed in the syllabus.
6. When you have questions, post on the Help Discussion Board in Canvas.

Discussions

There will be discussions assigned throughout the course in CANVAS. For each discussion, you will be required to post your substantial response to the discussion prompt by the due date. You will not be able to see your classmates’ thoughts until after you have posted your response.

Quizzes

There is also an Orientation quiz and a Ted Video Quiz that are both taken in Canvas.

The Orientation quiz covers the contents of this syllabus and must be completed by August 26th.
The Ted Video Quiz covers a set of videos which are given in the assignment. The list of videos and the quiz will be available.

Exams

There are four unit exams and a final exam. These are all paper-and-pencil exams and will be held in room 27-105.

Exam 1 covers Chapters 1, 2, and 3 and will take place on January 30th.
Exam 2 covers Chapters 5 and 6 and will take place on February 20th.
Exam 3 covers Chapters 7 and 8 and will take place on March 20th.
Exam 4 covers Chapters 9 and 11 and will take place on April 17th.

Final Exam is comprehensive and will take place on May 1st.

Students who are not able to come to the scheduled on-campus exam may use a testing center. Non-SCF testing centers must be pre-approved, contact the instructor at johnson@scf.edu for information. You must email the instructor at least one week in advance of the exam if you wish to use a testing center (either SCF or off-campus) with the time and location of the testing center. Exams must be taken on the scheduled date.

To make an appointment at an SCF testing center, go to http://scf.edu/StudentServices/StudentDevelopment/AssessmenttestingCenter/default.asp, select the Bradenton or Venice campus, click Choose Exam at the top of the screen, click Make-Up Exam, click Make-Up Exam SCF student – 1 hour (2 hours for the final exam), choose the date and time, fill in your information, check the acknowledge box and click Register. Once you have done this, email me at johnson@scf.edu with your name, STA 2023 – Online, the date, time, and campus for your exam.
Grading

Your grade in this course will be determined by the percentage of points earned during the semester. **A grade of 60% or higher on the final exam is required to earn an A, B, or C.**

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Points per Assignment</th>
<th>Total Points</th>
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</thead>
<tbody>
<tr>
<td>Orientation Assignments</td>
<td>10 points each</td>
<td>50 total</td>
</tr>
<tr>
<td>Online Discussions and Ted Video Quiz</td>
<td>10 - 20 points each</td>
<td>250 total</td>
</tr>
<tr>
<td>Exams</td>
<td>100 points each</td>
<td>400 total</td>
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<tr>
<td>Homework</td>
<td></td>
<td>100</td>
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<tr>
<td>Final Exam</td>
<td></td>
<td>200</td>
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<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>1000</strong></td>
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Grading Scale: 90-100 = A, 80-89 = B, 70-79 = C, 60-69 = D, 0-59 = F

Gordon Rule

This course meets the Florida State Board of Education Rule Number 6A-10.30. For the purpose of this rule, a grade of “C” or better shall be considered successful completion.

Attendance

You must actively participate in the course every week to stay enrolled. Active participation is determined by completion of weekly tasks listed in the Course Calendar below. A test is considered “completed” if you have taken it. A discussion is considered complete if you have posted an original substantial response by the due date and commented on some aspect of at least two of your classmates’ posts. Homework is considered “completed” if you have earned at least a 75% average, however your goal should be 100% on each homework assignment. Students who are inactive for 2 weeks will be withdrawn from the course.

Electronics Policy

Cell phone etiquette must be observed. In-class usage is restricted to emergency situations – this includes texting. **Cell phones are not to be used during exams, not even as calculators.** Inform the instructor before class of any extenuating circumstances. Electronic devices such as iPods, Blackberries, etc. are not permitted to be used or worn during class.

Withdrawal

In accordance with the State College of Florida policy as stated in the college catalog, students may withdraw from any course, or all courses, without academic penalty by the withdrawal deadline listed in the State College of Florida academic calendar. This semester, the withdrawal date is **Wednesday, March 25th.** Students should take responsibility to initiate the withdrawal procedure but are strongly encouraged to talk with their instructors before taking any withdrawal action. In addition, students should note that faculty may also withdraw students for violating policies, procedures, or conditions of the class, as outlined in individual class syllabi, and such action could affect financial aid eligibility.

Misconduct

Students are required to adhere to statements regarding student misconduct outlined in official State College of Florida publications, including the Catalog and the Student Handbook. The minimal consequence of failing to adhere to these statements is withdrawal from the course.
<table>
<thead>
<tr>
<th>Week</th>
<th>Sections Covered</th>
<th>Weekly Tasks</th>
</tr>
</thead>
</table>
| 1 Mon 1/12 – Fri 1/16 | 1.1, 1.2 | Class begins Mon 1/12  
Orientation – Fri 01/16 – 5:30 – 6:53 PM  
Room 123, Building 27 – Bradenton Campus |
| 2 Sat 1/17 – Fri 1/23 | 2.1, 2.2, 2.3 | Required Initial Assignments – Due Mon 1/19  
Quiz, Discussion, online homework |
| 3 Sat 1/24 – Fri 1/30 | 3.1, 3.2, 3.3, Exam 1 Review  
Exam 1 | HW – Unit 1 – Due Thurs 1/29  
Project A  
Exam 1 – Fri 1/30 – 5:30 – 6:53 PM  Room 27-105 |
| 4 Sat 1/31 – Fri 2/6 | 5.1, 5.2, 5.3 | Homework  
Ted Video Quiz |
| 5 Sat 2/7 – Fri 2/13 | 5.4, 6.1 | Homework  
Discussion |
| 6 Sat 2/14 – Fri 2/20 | 6.2, Exam 2 Review,  
Exam 2 | HW – Unit 2 – Due Thurs 2/19  
Exam 2 – Fri 2/20 – 5:30 – 6:53 PM  Room 27-105 |
| 7 Sat 2/21 – Fri 2/27 | 7.1, 7.2, 7.3 | Homework  
Discussion |
| 8 Sat 2/28 – Fri 3/6 | 8.1, 8.2, 8.3, Exam 3 Review | HW – Unit 3 – Due 3/19  
Discussion |
| 9 Sat 3/7 – Fri 3/13 | | Spring Break! |
| 10 Sat 3/14 – Fri 3/20 | 9.1, 9.2  
Exam 3 | Homework  
Exam 3 – Fri 3/20 – 5:30 – 6:53 PM  Room 27-105 |
Project |
| 12 Sat 3/28 – Fri 4/3 | 11.1, 11.2 | Homework  
Discussion |
| 13 Sat 4/4 – Fri 4/10 | 11.3, Exam 4 Review | HW – Unit 4 – Due 4/16 |
| 14 Sat 4/11 – Fri 4/17 | 4.1, 4.2  
Exam 4 | Homework  
Exam 4 – Fri 4/17 – 5:30 – 6:53 PM  Room 27-105 |
| 15 Sat 4/18 – Fri 4/24 | 4.3, 12.2 | Homework  
Discussion |
| 16 Sat 4/25 – Fri 5/1 | 15.1, Final Exam Review, Final | HW – Unit 5 – Due Thurs 4/30 |
| 17 Fri 5/1 | FINAL EXAM | Final Exam – Fri 5/1 – 5:30 – 7:23 PM  Room 27-105 |