Instructor: Chad Kempel
Office Location: DMH 230
Telephone: 408-924-5614 (I prefer that you email me)
Email: Chad.Kempel@sjsu.edu
Office Hours: Monday and Wednesday: 3:55 p.m. – 4:25 p.m.
Class Days/Time: Monday and Wednesday: 1:30 p.m. - 2:45 p.m.
Classroom: HGH 122
Prerequisites: Satisfaction of ELM requirements; 2 years of H. S. Algebra.
GE/SJSU Studies Category: Intended for majors in education, nursing, personnel administration, psychology, social service and sociology, and psychology minors. GE: B4 (Mathematical Concepts) and CAN STAT 2

Course Description
Organization and classification of data, graphic representation, measures of central tendency and variability, percentiles, normal curve, standard scores, correlation and regression, and introduction to statistical inference; use of microcomputers for statistical calculations.

Learning Outcomes
Course Learning Outcomes (CLOs)
Upon successful completion of this course, students will be able to:

   CLO1 - Stat 95 requires students to write a minimum of 500 words in a manner appropriate to quantitative analysis. The writing requirement will be met via four SPSS assignments (details will be posted on Desire2Learn). These four assignments must be completed in order to receive a passing grade in this class. Writing will be assessed for grammar, clarity, conciseness, and coherence.

   CLO2 - Stat 95 will incorporate issues of diversity in many ways (e.g., in lectures, films, assignments)
CLO3 - In terms of Mathematical Concepts (Area B-4), Stat 95 will focus on:
   a. Basic mathematical techniques for solving quantitative problems
   b. Elementary numerical computation
   c. The organization, classification, and representation of quantitative data in various forms, such as tables, graphs, rates, percentages, measures of central tendency and spread
   d. Applications of mathematics to everyday life
   e. Applications of mathematical concepts in statistical inference

GE/SJSU Studies Learning Outcomes (LO)

Upon successful completion of this course, students will be able to:

LO1 - To use statistical methods to solve quantitative problems, including those presented in verbal form

LO2 - To demonstrate the ability to use mathematics and statistics to solve real-life problems

LO2 - To arrive at conclusions based on numerical and graphical data.

Program Learning Outcomes (PLO)

Upon successful completion of the psychology major requirements…

PLO1 – Knowledge Base of Psychology – Students will be able to identify, describe, and communicate the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology.

PLO2 – Research Methods in Psychology – Students will be able to design, implement, and communicate basic research methods in psychology, including research design, data analysis, and interpretations.

PLO3 – Critical Thinking Skills in Psychology – Students will be able to use critical and creative thinking, skeptical inquiry, and a scientific approach to address issues related to behavior and mental processes.

PLO4 – Application of Psychology – Students will be able to apply psychological principles to individual, interpersonal, group, and societal issues.

PLO5 – Values in Psychology – Students will value empirical evidence, tolerate ambiguity, act ethically, and recognize their role and responsibility as a member of society.

Required Texts/Readings

Textbook
• Hardcover $115.49 (CengageBrain.com)
• Paperback <$110 (on Amazon.com)
• eBook $71.99 (6 months; CengageBrain.com)
• Rental $71.99 (130 days; CengageBrain.com)
• eChapters $9.49 /chapter (CengageBrain.com)

Other equipment / material requirements
1. Computer, printer, internet and library access
2. Scantron (882) forms and #2 pencils
3. Access to Statistical Package for the Social Sciences (SPSS) software (v. 16.0 or later). See the “Student Technology Resources” section below for details.
4. Calculator (must have square root and exponent buttons; cell phone calculators will not be allowed during exams)

Class Website
1. All course material will be distributed via Desire2Learn (https://sjsu.desire2learn.com/). You are responsible for checking Desire2Learn daily for announcements. Online tutorials for how to use Desire2Learn can be found online at http://www.sjsu.edu/ecampus/students/D2L_students/index.htm

Definition of a Credit Hour
Success in this course is based on the expectation that students will spend, for each unit of credit, a minimum of forty-five hours over the length of the course (normally 3 hours per unit per week with 1 of the hours used for lecture) for instruction or preparation/studying or course related activities including but not limited to internships, labs, clinical practica. Other course structures will have equivalent workload expectations as described in the syllabus.

As an example, the expectation of work for a 3-credit course is 150-minutes of direct faculty instruction and six hours of out-of-class student work each week.

Classroom Protocol
Classes will be comprised of lectures, in-class activities, question-and-answer periods, and video clips. Attendance is expected and is critical for success in this course. If you miss a class, you are responsible for getting the information covered from a classmate, so make friends. It is vital that you complete all scheduled readings and assignments before each class. Do not talk, read, text message, or eat during class. Please arrive to class on time and stay the entire time.

Recording of Class Lectures
Common courtesy and professional behavior dictates that you notify someone when you are recording him/her. You must obtain the instructor’s permission to make audio or video recordings in this class. This permission allows the recordings to be used for your
private, study purposes only. The recordings are the intellectual property of the instructor; you have not been given any rights to reproduce or distribute the material.

- If you would like to record the lectures please inform me before doing so.

Course material developed by the instructor is the intellectual property of the instructor and cannot be shared publicly without his/her approval. You may not publicly share or upload instructor-generated material for this course such as exam questions, lecture notes, or homework solutions without instructor consent.

**Dropping and Adding**

Students are responsible for understanding the policies and procedures about add/drop, grade forgiveness, etc. Refer to the current semester’s [Catalog Policies](http://info.sjsu.edu/static/catalog/policies.html) section at http://info.sjsu.edu/static/catalog/policies.html. Add/drop deadlines can be found on the [current academic calendar](http://www.sjsu.edu/academic_programs/calendars/academic_calendar/) web page located at [http://www.sjsu.edu/academic_programs/calendars/academic_calendar/](http://www.sjsu.edu/academic_programs/calendars/academic_calendar/). The [Late Drop Policy](http://www.sjsu.edu/aars/policies/latedrops/policy/) is available at [http://www.sjsu.edu/aars/policies/latedrops/policy/](http://www.sjsu.edu/aars/policies/latedrops/policy/). Students should be aware of the current deadlines and penalties for dropping classes.

Information about the latest changes and news is available at the [Advising Hub](http://www.sjsu.edu/advising/).

**Assignments and Grading Policy**

<table>
<thead>
<tr>
<th>Item</th>
<th>How Many</th>
<th>% of Final Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exams</td>
<td>7</td>
<td>70%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>8</td>
<td>10%</td>
</tr>
<tr>
<td>In-Class Assignments / Homework</td>
<td>10</td>
<td>10%</td>
</tr>
<tr>
<td>SPSS Assignments</td>
<td>4</td>
<td>10%</td>
</tr>
</tbody>
</table>

**Grading Distribution**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percent (%)</th>
<th>Grade</th>
<th>Percent (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>100 – 97.5</td>
<td>C</td>
<td>77.4 – 72.5</td>
</tr>
<tr>
<td>A</td>
<td>92.5 – 97.4</td>
<td>C-</td>
<td>70.0 – 72.4</td>
</tr>
<tr>
<td>A-</td>
<td>90.0 – 92.4</td>
<td>D+</td>
<td>69.9 – 67.5</td>
</tr>
<tr>
<td>B+</td>
<td>89.9 – 87.5</td>
<td>D</td>
<td>67.4 – 62.5</td>
</tr>
<tr>
<td>B</td>
<td>87.4 – 82.5</td>
<td>D-</td>
<td>60.0 – 62.4</td>
</tr>
<tr>
<td>B-</td>
<td>80.0 – 82.4</td>
<td>F</td>
<td>&lt; 60%</td>
</tr>
<tr>
<td>C+</td>
<td>79.9 – 77.5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Exams, Quizzes, and Assignments**

**Exams**

After every two to three chapters there will be an in-class exam (seven total) that tests your knowledge of the topics covered in those chapters and the material covered in the corresponding lectures. See the course schedule for specific topics and dates of these exams. Exams will consist of multiple choice, true/false, short answer/essay, and
computational questions. Make sure to bring your calculator, scantron (882), and #2 pencils to the exams. There will not be any make-up exams.

What if I miss an exam for reasons beyond my control (e.g., car trouble, death in the family, etc.)?
If you need to miss an exam for any reason you will need to take an oral version of the exam during my next available office hour. During the oral exam you will receive half a point for each question you answer correctly and half a point for explaining why the answer is correct.

Challenge Exams
You can challenge up to three of your exam grades on the day of our final. You challenge your exam grade by retaking a similar exam on the same topics as the exam. Your grade on the challenge exam will replace your original grade (BETTER or WORSE). Missed exams cannot be challenged.

Quizzes
There will be eight out-of-class quizzes throughout the semester. You will be notified of these quizzes through the Desire2Learn web site. You will have a specified window in which you can complete the quiz in order to receive credit. You must save and submit your answers when you are finished or you will not receive credit. Quizzes can be taken up to two times, with the higher of your two scores counting toward your grade.

In-Class Assignments / Homework
In-class assignments (10 total) will be given without advanced notice. These assignments will consist of group or individual problem solving, discussions, brief presentations, or other learning assignments. In-class assignments cannot not be made-up at a later date; you must be present on the day that the assignment is given.

SPSS Assignments
You are required to complete four assignments using SPSS. These four assignments must be completed in order to receive a passing grade in this class. Assignments must be handed in (not emailed) at the beginning of class on the day they are due. Late SPSS assignments will be marked down 10% for each weekday they are late. These assignments must be typed and handed in with printouts of your data and SPSS output. See the “Student Technology Resources” section below for instructions on how to get access to SPSS software. These announcements will be announced through the Desire2Learn web site.

University Policies

Academic integrity
Your commitment as a student to learning is evidenced by your enrollment at San Jose State University. The University’s Academic Integrity policy, located at http://www.sjsu.edu/senate/S07-2.htm, requires you to be honest in all your academic coursework. Faculty members are required to report all infractions to the office of Student Conduct and Ethical Development. The Student Conduct and Ethical Development website is available at http://www.sjsu.edu/studentconduct/.

Instances of academic dishonesty will not be tolerated. Cheating on exams or plagiarism (presenting the work of another as your own, or the use of another person’s ideas without
giving proper credit) will result in a failing grade and sanctions by the University. For this class, all assignments are to be completed by the individual student unless otherwise specified. If you would like to include your assignment or any material you have submitted, or plan to submit for another class, please note that SJSU’s Academic Policy S07-2 requires approval of instructors.

**Campus Policy in Compliance with the American Disabilities Act**

If you need course adaptations or accommodations because of a disability, or if you need to make special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. Presidential Directive 97-03 requires that students with disabilities requesting accommodations must register with the Disability Resource Center (DRC) at http://www.drc.sjsu.edu/ to establish a record of their disability.

**Student Technology Resources**

You can purchase a copy of SPSS for $15 at the University Help Desk on the first floor of Clark Hall. Be sure to get the newest SPSS license code for the operating system you own (Mac or Windows).

A second option is to use the computers in the Statistics Lab located in DMH 350. These computers are equipped with SPSS and Graduate Student Teaching Assistants can provide you with assistance on how to use the program. They will not do your assignments for you. It is up to you to figure out when the Statistics Lab is open.

Computer labs for student use are available in the Academic Success Center located on the 1st floor of Clark Hall, on the 2nd floor of the Student Union, and in the Martin Luther King Library. Computers in these three locations may not be equipped with SPSS.

**Learning Assistance Resource Center**

The Learning Assistance Resource Center (LARC) is located in Room 600 in the Student Services Center. It is designed to assist students in the development of their full academic potential and to inspire them to become independent learners. The Center's tutors are trained and nationally certified by the College Reading and Learning Association (CRLA). They provide content-based tutoring in many lower division courses (some upper division) as well as writing and study skills assistance. Small group, individual, and drop-in tutoring are available. Please visit the LARC website for more information at http://www.sjsu.edu/larc/.

**SJSU Writing Center**

The SJSU Writing Center is located in Room 126 in Clark Hall. It is staffed by professional instructors and upper-division or graduate-level writing specialists from each of the seven SJSU colleges. Our writing specialists have met a rigorous GPA requirement, and they are well trained to assist all students at all levels within all
disciplines to become better writers. The Writing Center website is located at http://www.sjsu.edu/writingcenter/about/staff/.

**Peer Mentor Center**

The Peer Mentor Center is located on the 1st floor of Clark Hall in the Academic Success Center. The Peer Mentor Center is staffed with Peer Mentors who excel in helping students manage university life, tackling problems that range from academic challenges to interpersonal struggles. On the road to graduation, Peer Mentors are navigators, offering “roadside assistance” to peers who feel a bit lost or simply need help mapping out the locations of campus resources. Peer Mentor services are free and available on a drop–in basis, no reservation required. The Peer Mentor Center website is located at http://www.sjsu.edu/muse/peermentor/

**Student Success and Wellness**

Attending to your wellness is critical to your success at SJSU. I strongly encourage you to take advantage of the workshops and programs offered through various Student Affairs Departments on campus such as Counseling Services, the SJSU Student Health Center/Wellness & Health Promotion Dept., and Career Center. See http://www.sjsu.edu/wellness or http://www.sjsu.edu/counseling/Workshops/ for workshop/events schedule and links to many other services on campus that support your wellness! You may go to http://events.sjsu.edu to register for any one of the workshops.
# Tentative Course Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topics, Readings, Assignments, Deadlines</th>
<th>Assignment (Due Date)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8/22</td>
<td>• Introduction to Stat 095</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>8/27 – 8/29</td>
<td>• Chapter 1 – Introduction to Statistics • Chapter 2 – Frequency Distributions</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>9/5</td>
<td><strong>NO CLASS SEPTEMBER 3RD – Labor Day</strong> • Chapters 1 &amp; 2 cont.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>9/10 – 9/12</td>
<td>• Exam 1 (Chapters 1 &amp; 2; Monday, Sep. 10) • Chapter 3 – Central Tendency</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>9/17 – 9/19</td>
<td>• Chapter 4 – Variability • Chapters 3 &amp; 4 cont.</td>
<td></td>
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<tr>
<td>6</td>
<td>9/24 – 9/26</td>
<td>• Exam 2 (Chapters 3 &amp; 4; Monday, Sep. 24) • Chapter 5 – z-Scores</td>
<td></td>
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<tr>
<td>7</td>
<td>10/1 – 10/3</td>
<td>• Chapter 6 – Probability • Chapters 5 &amp; 6 cont.</td>
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<tr>
<td>8</td>
<td>10/8 – 10/10</td>
<td>• Exam 3 (Chapters 5 &amp; 6; Monday, Oct. 8) • Chapter 7 – Probability and Samples</td>
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<tr>
<td>9</td>
<td>10/15 – 10/17</td>
<td>• Chapter 8 – Introduction to Hypothesis Testing • Chapters 7 &amp; 8 cont.</td>
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<tr>
<td>10</td>
<td>10/22 – 10/24</td>
<td>• Exam 4 (Chapters 7 &amp; 8; Monday, Oct. 22) • Chapter 9 – Introduction to the t Statistic</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>10/29 – 10/31</td>
<td>• Chapter 10 – The t Test for Two Independent Samples • Chapter 11 – The t Test for Two Related Samples</td>
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<tr>
<td>12</td>
<td>11/5 – 11/7</td>
<td>• Chapters 9, 10, &amp; 11 cont. • Exam 5 (Chapters 9, 10 &amp; 11; Wednesday, Nov. 7)</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>11/14</td>
<td><strong>NO CLASS NOVEMBER 12TH - Veteran’s Day</strong> • Chapter 13 – Introduction to Analysis of Variance</td>
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<tr>
<td>14</td>
<td>11/19 – 11/21</td>
<td>• Chapter 13 cont.</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>11/26 – 11/28</td>
<td>• Exam 6 (Chapters 13; Monday, Nov. 26) • Chapter 15 – Correlation and Regression</td>
<td></td>
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<tr>
<td>16</td>
<td>12/3 – 12/5</td>
<td>• Chapter 15 cont. • Chapter 16 (maybe) – The Chi-Square Statistic</td>
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<tr>
<td>Week</td>
<td>Date</td>
<td>Topics, Readings, Assignments, Deadlines</td>
<td>Assignment (Due Date)</td>
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<tr>
<td>17</td>
<td>12/10</td>
<td>• Exam 7 (Chapters 15 &amp; 16; Monday, Dec. 10)</td>
<td>• Challenge Requests</td>
</tr>
<tr>
<td>Final Exam</td>
<td>12/17</td>
<td>Monday, December 17 from 12:15 – 2:30 pm in HGH 122</td>
<td>• SPSS #4</td>
</tr>
</tbody>
</table>

*Schedule is subject to change with fair notice.

**Be sure to check Desire2Learn regularly for announcements about out-of-class quizzes and SPSS assignments so that you can prepare accordingly.