

**San José State University  
Kinesiology Department  
Spring 2015, KIN 175, Measurement & Evaluation**

Instructor:	Dr. Bethany Shifflett
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Office Hours:	Mondays, Wednesdays, 10:30-11:30; and by appointment
Class Meetings	Lecture (section 1) M-W 9:30-10:20 Clark Hall 222
Lab Meetings	Instructor: Dr. Ghiasvand: MacQuarrie Hall 321; 10am; noon; 2pm

### **Course Description**

Designed to develop an understanding of measurement and evaluation concepts and application relevant to assessment in the psychomotor, cognitive and affective domains. Activities include collection and computer analysis of data. Prerequisites: KIN 70; GE Math Course.

Bring evidence of pre-requisites to 2nd Friday lab.

### **Web Resource**

Course materials, including the course calendar, may be found on the e-campus web site: Canvas: <http://www.sjsu.edu/at/ec/canvas/>. You are responsible for regularly checking the Canvas discussion board, announcements, and email for information and messages. Login using your mysjsu username and password.

### **Course Goals and Student Learning Objectives**

Following lectures, assigned readings, and practice, students will be able to demonstrate through an analytical project, exams, an SPSS assignment, and quizzes

- ▶ the ability to apply measurement concepts and theory to assess performance in the cognitive, affective and motor domains
- ▶ the ability to communicate measurement and statistical concepts and their application for assessment of performance in Kinesiology
- ▶ the ability to discern when and how to take into consideration group characteristics (e.g., age, gender, culture) in order to examine social justice and equity issues in Kinesiology.
- ▶ the ability to 1) construct, evaluate, and administer cognitive and skills tests, 2) carry out, interpret, and report statistical analysis of data for both formative and summative evaluation, 3) select appropriate techniques for assessment of performance in various situations, 4) assess objectivity, reliability and validity of classifications and scores, 5) use software (SPSS)

to analyze data, and 6) make criterion referenced (CR) and norm referenced (NR) interpretations of data.

- ▶ knowledge of techniques and issues (test construction, administration, evaluation) surrounding assessment in the motor, cognitive and affective domains.

### **Program Learning Outcomes (PLO)**

At the end of a Bachelor of Science degree program in the Department of Kinesiology students should be able:

- ▶ to obtain a critical understanding and the ability to apply theoretical and scientific knowledge from the sub-disciplines in kinesiology for personal fitness, healthy lifestyles, sport, and/or therapeutic rehabilitation.
- ▶ to effectively communicate the essential theories, scientific applications, and ethical considerations related to kinesiology.
- ▶ to apply scholarship and practice of different movement forms to enhance movement competence in kinesiology.
- ▶ to recognize and apply sustainable approaches as they relate to kinesiology.
- ▶ to identify social justice and equity issues related to kinesiology for various populations.

### **Required Texts/Readings**

Course reader required. Available at Maple Press (students can pick up the reader at **330 South 10th Street** - formerly Roberts Bookstore).

### **Additional Resources**

- ▶ The university has a site license for the software (SPSS version 22) used in this class. You can obtain an installation disk (\$15) from the help desk on the ground floor of Clark Hall. Another option is to bring a memory stick (at least 1.5GB) to the Clark 102 computer lab - can then get copy for free.
- ▶ In addition, an optional resource is available at the bookstore: How to Use SPSS Statistics: A Step-by-Step Guide to Analysis and Interpretation by Brian Cronk - ISBN 1-884585-92-2 (Publisher: [Pyrczak](#))

### **Class Notes**

- ▶ Set aside time each week (6hr) for this class. You should not take this course in a semester when you do not have plenty of time to invest in this class.
- ▶ Labs and practice materials are on the Canvas web site. Complete all as they are excellent preparation for quizzes and exams.
- ▶ You should save data analysis work and data files from every lab as they will be needed for quizzes.
- ▶ SPSS is available on computers in the CASA computer lab (MH 332), on the library's laptops, and in the open use area of the student success center in Clark Hall (ground floor).
- ▶ Take advantage of my office hours (by appointment or drop in).
- ▶ Scores and final grades will be posted in Canvas.

- ▶ Individual extra credit work will not be given.
- ▶ Lectures may not be recorded (extenuating circumstances considered - discuss with Dr. Shifflett).
- ▶ Course materials developed by Dr. Shifflett (e.g., exam/quiz items, videos, labs or solutions, lecture notes), are her intellectual property and cannot be shared in any form publicly without her approval.
- ▶ Classroom protocol: It is expected that you will arrive on time for all class meetings and labs, come prepared with work done in advance when needed, take notes throughout lectures, put away and turn cell phones silent, and use laptops/ipads for course work only. If you need to leave early from class, let Dr. Shifflett know in advance.

### **Course Requirements and Grading Policy**

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. This would include preparing for class, participating in course activities, and completing assignments/projects/labs. Generally this will amount to 6 hours a week outside of class.

Course Component	Points
Exam 1	55 points
Exam 2	50 points
Exam 3	40 points
SPSS Assignment	30 points
Quizzes	45 points
Analytical project	30 points

**Grading Scale used to determine final grade for the course.**

Percentage Earned	Equivalent Grade
97% - 100%	A+
93% - 96%	A
90% - 92%	A-
87% - 89%	B+
83% - 86%	B
80% - 82%	B-
77% - 79%	C+
73% - 76%	C
70% - 72%	C-
67% - 69%	D+
63% - 66%	D
60% - 62%	D-
below 60%	F

**Tests:**

- Written tests: There will be three exams covering conceptual information drawn from lecture, discussions, web-based information, course reader, labs, and assigned reading. Item formats may include multiple choice, hybrid-multiple choice, true-false, fill in, or short answer.
- Exams will be timed and taken within Canvas.
- Exams will not be re-scheduled and cannot be made up (extraordinary circumstances considered).

**Quizzes:**

- Written quizzes: There will be 7 timed quizzes covering conceptual and analytical information drawn primarily from the course text and lecture. Item formats may include multiple choice, true-false, and fill in. Every quiz will include some analytical work requiring the use of SPSS.
- Quizzes will be taken within Canvas. Two attempts will be allowed - one at the end of Friday labs and one outside of class/lab time. Quizzes will not be re-scheduled and cannot be made up.

**Assignments/Projects/Activities:**

- SPSS Assignment.
  - A set of ten SPSS items will be completed during a Friday lab.
- Analytical Project - Analysis of data collected via survey

- Collect data through an online survey created by you. Conduct an analysis of the data that provides summary descriptive statistics as well as answers to a set of relationships and differences questions.
- Bonus activity: SPSS Challenge
  - In lab, teams of students will be presented with a set of analytical questions based on the IronMatch data. Each question will require the use of SPSS to answer.
  - A maximum of 10 points may be earned.

## **Campus Resources**

### **Technology Resources**

Computer labs for student use are available in the [Academic Success Center](http://www.at.sjsu.edu/asc/) at <http://www.at.sjsu.edu/asc/> located on the 1st floor of Clark Hall and the CASA lab in MH 332 <http://www.casa.sjsu.edu/labs.htm>. Computers are also available in the Martin Luther King Library.

### **Peer Connections**

KIN tutors are available to help you with this course. Connect with them via email - see home page for the course in Canvas.

The Learning Assistance Resource Center (LARC) and the Peer Mentor Program have merged to become [Peer Connections](http://peerconnections.sjsu.edu), <http://peerconnections.sjsu.edu>. Peer Connections is the new campus-wide resource for mentoring and tutoring. Services include course-content based tutoring, enhanced study and time management skills, more effective critical thinking strategies, decision making and problem-solving abilities, and campus resource referrals.

In addition to offering small group, individual, and drop-in tutoring for a number of undergraduate courses, consultation with mentors is available on a drop-in or by appointment basis. Workshops are offered on a wide variety of topics including preparing for the Writing Skills Test (WST), improving your learning and memory, alleviating procrastination, surviving your first semester at SJSU, and other related topics. Computer lab and study spaces are also available for student use in Room 600 of Student Services Center (SSC).

Peer Connections is located in three locations: SSC, Room 600 (10th Street Garage on the corner of 10<sup>th</sup> and San Fernando Street), at the 1st floor entrance of Clark Hall, and in the Living Learning Center (LLC) in Campus Village Housing Building B.

### **Writing Center**

The SJSU [Writing Center](http://www.sjsu.edu/writingcenter/), <http://www.sjsu.edu/writingcenter/> is located in Suite 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. Writing specialists are available to assist all students at all levels within all disciplines to become better writers.

## **Student Success Center**

The [Student Success Center](http://www.sjsu.edu/casa/ssc/), <http://www.sjsu.edu/casa/ssc/> in the College of Applied Sciences and Arts (CASA) provides advising for undergraduate students majoring or wanting to major in programs offered in CASA Departments and Schools. Services include general education advising, help with changing majors, academic policy-related questions, meeting with peer advisors, presentations, and workshops. It's also a great place to study. Laptops also available for check out. Location: MH 533.

## **Counseling Services**

The SJSU [Counseling Services](http://www.sjsu.edu/counseling), <http://www.sjsu.edu/counseling> is located on the corner of 7th Street and San Fernando Street, in Room 201, Administration Building. Professional psychologists, social workers, and counselors are available to provide consultations on issues of student mental health, campus climate or psychological and academic issues on an individual, couple, or group basis.

## **University Policies**

### **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 in the [policies section](http://info.sjsu.edu/static/catalog/policies.html) at <http://info.sjsu.edu/static/catalog/policies.html>. Add/drop deadlines can be found on the current [academic year calendars](http://www.sjsu.edu/provost/services/academic_calendars/) document at [http://www.sjsu.edu/provost/services/academic\\_calendars/](http://www.sjsu.edu/provost/services/academic_calendars/). The [late drop policy](http://www.sjsu.edu/aars/policies/latedrops/policy/) is available at <http://www.sjsu.edu/aars/policies/latedrops/policy/>. Students should be aware of the current deadlines and penalties for dropping classes.

News and information about the latest changes are available at the [Advising Hub](http://www.sjsu.edu/advising/) at <http://www.sjsu.edu/advising/>.

### **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](http://www.sjsu.edu/senate/S07-2.htm) at <http://www.sjsu.edu/senate/S07-2.htm>, requires you to be honest in all your academic course work. Faculty members are required to report all infractions to the office of Student Conduct and Ethical Development. The [Student Conduct and Ethical Development](http://www.sjsu.edu/studentconduct/) website 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 Integrity policy](http://www.sjsu.edu/senate/S07-2.htm) at <http://www.sjsu.edu/senate/S07-2.htm> requires approval of instructors.

Note: Activities/Assignments completed for another class cannot be counted for this course.

### **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](http://www.sjsu.edu/president/docs/directives/PD_1997-03.pdf) at [http://www.sjsu.edu/president/docs/directives/PD\\_1997-03.pdf](http://www.sjsu.edu/president/docs/directives/PD_1997-03.pdf) requires that students with disabilities requesting accommodations must register with the [Accessible Education Center](http://www.sjsu.edu/aec/) (AEC) at <http://www.sjsu.edu/aec/> to establish a record of their disability.

### **Accommodation to Students' Religious Holidays**

San José State University shall provide accommodation on any graded class work or activities for students wishing to observe religious holidays when such observances require students to be absent from class. It is the responsibility of the student to inform the instructor, in writing, about such holidays **before the add deadline** at the start of each semester. If such holidays occur before the add deadline, the student must notify the instructor, in writing, at least three days before the date that he/she will be absent. It is the responsibility of the instructor to make every reasonable effort to honor the student request without penalty, and of the student to make up the work missed. See University Policy S14-7 at <http://www.sjsu.edu/senate/docs/S14-7.pdf>.

KIN 175 - Spring 2015 Course Calendar (subject to change with fair notice)

		1/23 Introduction; Measurement Scales; Assessment Using SPSS	1/26  Review Percentages	1/28  SPSS: Percentages, graphs	1/30  SPSS Review & Practice
2/2  Normal Curve; CT, Variability	2/4  SPSS: Normal Curve; CT, Variability,	2/6  Lab 1; Quiz 1 (percentages, CT, V)	2/9  Percentiles	2/11  SPSS: Percentiles Review	2/13  Lab2; Quiz 2 (normal curve, percentiles)
2/16  Correlation	2/18  Prediction, SPSS: Correlation, Prediction	2/20  Lab 3; Quiz 3 (correlation, prediction)	2/23  Cognitive Assessment Item Analysis	2/25  SPSS: Item Analysis	2/27  Lab 4; Quiz 4 (cog. assessment, item analysis)
3/2  Project Help Review	3/4  Review - Q & A & QFRs	3/6  Exam 1	3/9  Validity (Scores)	3/11  SPSS: Validity (Scores)	3/13  Lab 5 Project Help
3/16  Reliability (Scores)	3/18  SPSS: Reliability, Objectivity (Scores)	3/20  Lab 6 (Rel, Obj); Quiz 5 (V,R,O scores  Projects Due 5pm	3/23  Spring Break	3/25  Spring Break	3/27  Spring Break
3/30  Mastery Testing Validity of Classifications	4/1  SPSS: validity of classifications	4/3  Lab 7 (validity) SPSS Challenge	4/6  M-Testing; reliability, objectivity of classifications	4/8  SPSS: reliability, objectivity of classifications	4/10  Lab 8 (Rel, Obj); Quiz 6 (V,R,O classifications)
4/13  SPSS Review	4/15  Review - Q & A Review QFRs	4/17  Exam 2	4/20  Assessment motor domain - basic abilities;	4/22  Assessment motor domain - sport skills	4/24  Lab 9 SPSS Practice
4/27  Physical Fitness Assessment	4/29  Assessment Affective Domain	5/1  SPSS Assignment Lab 10	5/4  Grading	5/6  Grading	5/8  Lab 11; Quiz 7 (grading, fitness assessment)
5/11  Standard Scores	5/13  Data Profiling		Final exam: Friday 5/15; 7:15am-9:30am; Location TBA		