COURSE: CSRF 6351: Statistics and Survey Research  
PROFESSOR: Dr. Allyn Byars; PhD, CSCS, *D  
OFFICE: CHP 204B (Human Performance Laboratory)  
OFFICE HOURS: By appointment only  
EMAIL: allyn.byars@angelo.edu  
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COURSE DESCRIPTION  
This course serves as an introduction to the practical application of statistical techniques required to analyze data with specific applications for survey research. Emphasis will be placed upon providing students with the knowledge and skills needed to read, interpret, and evaluate quantitative findings in coaching, sport, recreation, and fitness literature. This includes the construction and administration of a survey culminating in the presentation of research findings.

REQUIRED TEXTBOOK  


STUDENT LEARNING OUTCOMES  
<table>
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<tr>
<th>Student Learning Outcome</th>
<th>Assignment(s) or activity(ies) validating outcome achievement:</th>
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<tbody>
<tr>
<td>By completing all course requirements, students will be able to:</td>
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<tr>
<td>Demonstrate independent problem solving and critical thinking skills by asking appropriate research questions.</td>
<td>Exams, quizzes, and data analysis software textbook activities</td>
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<tr>
<td>Demonstrate the ability to organize, analyze, synthesize, and interpret statistical data</td>
<td>Exams, quizzes, and data analysis software textbook activities</td>
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<tr>
<td>Summarize the results of data analysis in a professional format</td>
<td>Data analysis software textbook activities</td>
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<tr>
<td>Demonstrate a basic awareness of research questions and how to apply appropriate statistical techniques to answer these questions.</td>
<td>Exams, quizzes, and data analysis software textbook activities</td>
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<td>Demonstrate proficiency using statistical data analysis software to analyze data</td>
<td>Data analysis software textbook activities</td>
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<tr>
<td>Identify historical events and demonstrate an understanding of the essential CITI training and development of an IRB proposal and consent form</td>
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<tr>
<td>Develop skills for conducting survey research CITI training, development of an IRB proposal/consent form, and survey research assignment</td>
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**PREREQUISITE SKILLS**
Accessing internet web sites, use of ASU Library resources, and proficiency with Microsoft Word and/or PowerPoint are expected. Computer access requirements are further delineated in the Graduate Handbook. Tutorials for ASU Library and for Blackboard are available through RamPort. The ASU Graduate Student Handbook should be reviewed before taking this course.

**BROWSER COMPATIBILITY CHECK**
It is the student’s responsibility to ensure that the browser used to access course material on his/her computer is compatible with ASU’s Blackboard Learning System. The faculty reserves the right to deny additional access to course assignments lost due to compatibility issues. Students are responsible for reviewing the guidelines posted in this course regarding accessing Blackboard assignments.

Problems in this area need to be discussed with faculty at the time of occurrence, either via email (preferred) or by appointment.

Be sure to perform a browser test. Select the “Support” tab from the Blackboard homepage (http://www.blackboard.angelo.edu) Select “Test your Browser” option.

**OTHER REQUIRED MATERIALS**
- Computer with MAC or Windows Operating System
- High Speed Internet Access
- Refer to Angelo State University’s Distance Education website for further technology requirements: [http://www.angelo.edu/distance_education/](http://www.angelo.edu/distance_education/)

**GRADING SYSTEM**
Final grades will be dependent upon completing course requirements and meeting the student learning outcomes.

The following grading scale is in use for this course:

- A = 450-500 points
- B = 400-449 points
- C = 350-399 points
- D = 300-349 points
- F = < 300 points
EVALUATION AND GRADES
The overall course grade is based on the following point values for quizzes, exams, and assignments:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Points</th>
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<tbody>
<tr>
<td>Computer Activities</td>
<td>100</td>
</tr>
<tr>
<td>Quizzes</td>
<td>100</td>
</tr>
<tr>
<td>Comprehensive Exams</td>
<td>200</td>
</tr>
<tr>
<td>CITI Training</td>
<td>25</td>
</tr>
<tr>
<td>IRB Proposal/Consent Form</td>
<td>25</td>
</tr>
<tr>
<td>Survey</td>
<td>25</td>
</tr>
<tr>
<td>Survey Poster</td>
<td>25</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td>500</td>
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TEACHING STRATEGIES
- The course will include lecture, discussion, instructional videos, PowerPoint presentations, and practical experience through various assignments and textbook activities (e.g., computer assignments).
- Students are expected to be “active learners.” It is a basic assumption of the instructor that students will be involved (beyond the materials and lectures presented in the course) discovering, processing, and applying the course information using peer-review journal articles, researching additional information and examples on the Internet, and discussing course material with their peers.

ASSIGNMENT/ACTIVITY DESCRIPTIONS
**Two comprehensive scheduled exams** (200 points) and **scheduled quizzes** (100 points) will be announced throughout the session and consist of multiple choice questions and scored as either correct or incorrect. Questions will be taken from the weekly lectures and the textbook. Only the best ten quizzes will be used to determine the overall quiz grade. Other quiz scores will be dropped which includes any missed quizzes.

**Statistical Analysis Activities** (100 points) will be assigned from textbook chapters and announced throughout the semester. Activities will consist of data analysis and interpretation utilizing Intellectus Statistics data analysis software. Each activity requires the student to answer open-ended questions specific to data analysis and interpretation in which there is only one correct response and therefore scored as either correct or incorrect (100 points).

**IRB proposal/consent form** (25 points) will be assigned and developed based on the individual’s research project. The assignment will be announced and scored using a rubric specifically designed for this course requirement.

**CITI training** (25 points) is an online program for educating and assessing one’s knowledge concerning human subjects research (HSR) for social, behavioral, and educational research. The assignment will be announced and scored as either complete or incomplete.

**Research survey** (25 points) will be constructed based on the individual’s research topic and administered using an online survey engine. Individual research topics must be approved in advance by the professor. The assignment will be announced and scored using a rubric specifically designed for this course requirement.

**Survey poster** (25 points) is the culminating presentation of your survey research findings. The assignment will be announced and scored using a rubric specifically designed for this course requirement.
GENERAL POLICIES RELATED TO THIS COURSE
All students are required to follow the policies and procedures presented in the following documents:
• Angelo State University Student Handbook located on the ASU website http://www.angelo.edu/student-handbook/
• ASU Graduate Catalog located on the ASU website https://www.angelo.edu/content/files/16795-201213-undergraduate-catalog

STUDENT RESPONSIBILITY & ATTENDANCE
There are readings which you will have to complete to be able to adequately participate in individual assignments. In order to complete this course successfully, you do have to participate in all course activities. Students are expected to complete all course requirements and submit their work by scheduled due dates and times. Scholarly contribution is an expectation. For planning purposes, this class will probably require a minimum of 6-9 study hours per week on average.

Students are expected to attend all scheduled class meetings. Attendance will be taken weekly. If a student arrives to class late or leaves early, it is the student’s responsibility to inform the instructor as to the reason. Chronic failure to attend class will affect your final grade in this class. This also includes students consistently arriving late or leaving early and/or leaving and coming back to class during the scheduled meeting time. Such behavior is not only unprofessional, but also a distraction/disturbance to the classroom environment.

CLASSROOM POLICIES
The following classroom policies and student responsibilities will be enforced:

1. There will be no smoking or use of smokeless tobacco.

2. There will be NO use of cell phones (including TEXT MESSAGING) or any other unauthorized electronic equipment during lectures and quizzes. Use of cell phones during class is strictly prohibited. Upon entering the classroom turn all cell phones and/or other handheld electronic devices off to prevent distractions affecting other student’s learning opportunities. The exception to the above is during scheduled classroom breaks.

3. Please be considerate to others while in class. Classroom conversations will be limited to the lecture discussions only unless otherwise noted.

4. Professional behavior is expected. Everyone in the classroom is considered to be an adult professional and therefore should conduct themselves as one.

5. It is the student’s responsibility for the information discussed in class even in lieu of one’s absence. It is also the student’s responsibility for all work and is encouraged to have a contact within the class. All students are encouraged to set up an appointment to meet with the professor, if needed, throughout the duration of the course. The purpose of the aforementioned is for additional assistance in understanding of the concepts presented in the course.

6. There are NO extra credit opportunities in this course. Therefore, please do not inquire about such and/or raising your grade, particularly at the end of the semester.

COMMUNICATION
Your professor will generally respond to email and/or telephone messages within 24 hours during working hours Monday through Friday. If you choose to use a telephone to communicate and there is no
response to your call, please leave a message since it will also be converted into an email message. Students will be notified of exceptions (e.g., professional conferences). Weekend messages will not be returned until Monday. Written communication via email: All private communication will be done exclusively through your ASU email address. Check frequently for announcements and policy changes.

NOTE: It is inappropriate to contact the professor by calling his/her personal phone number unless permission is granted.

ASSIGNMENT SUBMISSION
In this class, all assignments need to be submitted through the Assignments link in the Blackboard course site. This is for grading purposes. Issues with technology use arise from time to time. If a technology issue does occur regarding an assignment submission, email me at allyn.byars@angelo.edu and attach a copy of what you are trying to submit. This lets your faculty know you completed the assignment on time and are just having problems with the online submission feature in Blackboard. Once the problem is resolved, submit your assignment through the appropriate link. This process will document the problem and establish a timeline. Be sure to keep a backup of all work.

LATE WORK OR MISSED ASSIGNMENTS POLICY
Due dates and times for exams, quizzes, and assignments are shown on the course outline posted within Blackboard. Failure of a student to complete an exam, quiz, or assignment within the stated timeframe allotted will result in a score of zero. Exceptions to this policy are on a case by case basis (e.g., prior approval of faculty).

ACADEMIC HONESTY
Academic honesty is expected on all work. Students are expected to maintain complete honesty and integrity. Any student found guilty of any form of dishonesty in academic work is subject of disciplinary action and possible expulsion from ASU.

The Kinesiology Department adheres to the academic honesty statement as set forth in the Angelo State University Student Handbook (2011-2012) http://www.angelo.edu/student-handbook/code-of-student-conduct/misconduct.php The University "faculty expects all students to engage in all academic pursuits in a manner that is above reproach and to maintain complete honesty and integrity in the academic experience both in and out of the classroom setting and may initiate disciplinary proceedings against a student accused of any form of academic dishonesty, including but not limited to, cheating on an examination or other academic work, plagiarism, collusion, and the abuse of resource materials."

PLAGIARISM
Plagiarism at ASU is a serious topic. The Angelo State University’s Honor Code gives specific details on plagiarism and what it encompasses. Plagiarism is the action or practice of taking someone else’s work, idea, etc., and passing it off as one’s own. Plagiarism is literary theft.

STUDENTS WITH DISABILITIES
1. “Angelo State University is committed to the principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs, or activities of the university, or be subjected to discrimination by the university, as provided by the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act Amendments Act of 2008 (ADAAA), and subsequent legislation.”

2. The Office of Student Affairs is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability, and it is the student’s responsibility to initiate such a request by contacting the Office of Student Affairs,
Reasonable accommodations will be made for students determined to be disabled or who have documented disabilities.

INCOMPLETE GRADE POLICY (OP 10.11 Grading Procedures)
It is policy that incomplete grades be reserved for student illness or personal misfortune. Please contact faculty if you have serious illness or a personal misfortune that would keep you from completing course work. Documentation may be required.

STUDENT ABSENCE FOR OBSERVANCE OF RELIGIOUS HOLY DAYS
“A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence.” Please see ASU Operating Policy 10.19.

COPYRIGHT POLICY
Students officially enrolled in this course should make only one printed copy of the given articles and/or chapters. You are expressly prohibited from distributing or reproducing any portion of course readings in printed or electronic form without written permission from the copyright holders or publishers.

SYLLABUS CHANGES
The faculty member reserves the option to make changes as necessary to this syllabus and the course content. If changes become necessary during this course, the faculty will notify students of such changes by email, course announcements and/or via Blackboard announcement. It is the student’s responsibility to look for such communications about the course on a daily basis.

COURSE EVALUATION
Students are provided the opportunity, and are strongly encouraged to participate in a course evaluation at the end of the semester. Areas on the IDEA evaluation include:
1. Gaining factual knowledge (terminology, classifications, methods, trends)
2. Learning fundamental principles, generalizations, or theories
3. Learning to apply course material (to improve thinking, problem solving, and decisions)
4. Developing specific skills, competencies, and points of view needed by professionals in the field most closely related to this course