I. Course Description:

- This course examines the specific testing procedures used to assess fitness levels and physiological responses during bouts of exercise. Emphasis will be given to clinical experiences, data interpretation, and student proficiency in performing and monitoring various assessments.

- KINE 4367 (3 credits) is a course that will incorporate face-to-face instruction. Overall, the course will provide 500 minutes of classroom per week for 5 weeks and will have a 2-hour final exam. Every week students will be required to participate in laboratory activities/assignments that focus on teaching and improving the methodologies for assessing cardiovascular fitness, muscular fitness, body composition, and electrocardiogram (ECG) interpretation. The laboratories in this class are modeled after standard assessments that are used in both 1) consumer fitness settings and 2) medical diagnostic settings. For every laboratory activity, the students are expected to review the methodologies for data collection and to make interpretations from the data. Successful completion of the laboratories will require the students to utilize the assigned textbook, as well as, the online modules provided to review the specific protocols and mathematical calculations required for each lab. In addition to the laboratory activities, the student’s understanding of the methodologies will be evaluated through 1) laboratory assignments and 2) examinations. These activities average at a minimum of 4 hours of work each week outside of classroom hours.

II. Intended Learning Outcomes/Goals/Objectives (Program Learning Outcomes):

- PLO # 1 - This course links with SFA Initiative #4: Develop a learner-centered environment.
- PLO # 2 - This course links with SFA’s COE Goal & Initiative #2: Prepare educators & industry professionals.
- PLO # 3 - This course links with SFA’s COE Goal and Initiative #4: Teaching and student success.

Exercise Science Program Learning Outcomes:

1. Physiological Principles of Exercise - The student will demonstrate an understanding of the physiological principles of exercise.

2. National Certification – The student will be prepared to pass nationally accredited certifications.

3. Exercise Testing - The student will demonstrate an understanding of the basic principles of physical fitness concepts and the utilization of available technology in assessing fitness levels, performance, and physiological effects during various levels of physical stress.

Student Learning Outcomes:

- Students will demonstrate ability to design and implement test batteries appropriate for specific populations. (PLO 1,2,3)
- Students will be able to identify various exercise tests and demonstrate ability to implement such tests. (PLO 1,2,3)
• Students will demonstrate ability to identify both normal and abnormal physiological responses to exercise testing. (PLO 1,2,3)

* A primary guide for the course is information and skills required for certification through the American College of Sports Medicine as a “Certified Exercise Physiologist” (ACSM EP-C), formerly the “Health and Fitness Specialist” certification.

III. Course Assignments and Activities:

Exams
Cognitive evaluation will consist of 4 exams. Exams will consist of multiple guess, short answer, essay, oral, and practical questions. Questions will be taken from various sources (review and preparation text) listed in the textbook and the resource materials provided online.

Laboratory Assignments
Students will work both individually and in groups to complete 6 laboratory activities/quizzes based on data collected in lab in several areas of study (PLO 1,2,3). The laboratory activities will include: 1.) a proper demonstration of data collection specific to the physiological variables of interest (i.e. lab methods), 2.) an explanation of the results collected from the data, and 3.) an evaluation of the student’s interpretation and application of the results. On the days that lab data is to be collected, students are expected to attend class in person. Arrangements will have to be made in advance for special circumstances where the students cannot attend in person.

Make Up Assignments/Exams – Make up exams/labs will only be granted for EXCUSED absences (according to university policy); make up exams/reports will not be given for any other circumstances. Prior arrangements must be made in critical cases. If a student does not submit his/her exam or quiz by the assigned due date he/she will earn a zero. Students must be present on lab days. Students who fail to attend lab for “unexcused” reasons will have 5% deducted from their final grade (5% for each missed lab). Four unexcused absences will result in an automatic “F” for the class.

IV. Evaluation and Assessment
Grading Scale

<table>
<thead>
<tr>
<th>Grading &amp; Evaluation</th>
<th>Percent</th>
<th>Letter Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Exams (100 pts each)</td>
<td>400 pts</td>
<td>90 – 100%</td>
</tr>
<tr>
<td>5 lab assignments (30 points each)</td>
<td>150 pts</td>
<td>80 – 89%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>70 – 79%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>60 – 69%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&lt; 60%</td>
</tr>
</tbody>
</table>

V. Tentative Course Outline/Calendar:

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEEK 1</td>
<td></td>
</tr>
<tr>
<td>Monday</td>
<td>• Course Introduction.</td>
</tr>
<tr>
<td>June 3</td>
<td>• Ch. 1: Risks and Benefits of Physical Activity</td>
</tr>
<tr>
<td></td>
<td>• Ch. 2: Pre-Participation Health Screening</td>
</tr>
<tr>
<td>Tuesday</td>
<td>• Ch. 2: Pre-Participation Health Screening (Cardiac Rehab)</td>
</tr>
<tr>
<td>June 4</td>
<td>• Ch. 2: Karvonean Formula to calculate exercise intensity</td>
</tr>
<tr>
<td>Wednesday</td>
<td>• Ch. 3: Pre-Exercise Evaluation</td>
</tr>
<tr>
<td>June 5</td>
<td>• Complete Lab # 1 and turn in.</td>
</tr>
<tr>
<td>Date</td>
<td>Activities</td>
</tr>
<tr>
<td>-------------------</td>
<td>-------------------------------------------------</td>
</tr>
<tr>
<td><strong>Thursday June 6</strong></td>
<td>Return Lab # 1 &lt;br&gt; Review for Exam 1 &lt;br&gt; Begin Discussion of Cardiorespiratory Fitness Testing</td>
</tr>
<tr>
<td><strong>WEEK 2</strong></td>
<td><strong>Monday June 10</strong>  &lt;br&gt; Continue Discussion of CRF Testing (first 30 min. of class) &lt;br&gt; <strong>Exam 1 – Risk &amp; Benefits/Health Screening</strong></td>
</tr>
<tr>
<td><strong>Tuesday June 11</strong></td>
<td>Conclude Discussion of CRF Testing.  &lt;br&gt; Begin Lab # 2. (Data Collection)</td>
</tr>
<tr>
<td><strong>Wednesday June 12</strong></td>
<td>Conclude Lab # 2 (Data Collection)</td>
</tr>
<tr>
<td><strong>Thursday June 13</strong></td>
<td>Turn in Lab # 2  &lt;br&gt; Review for Exam 2</td>
</tr>
<tr>
<td><strong>WEEK 3</strong></td>
<td><strong>Monday June 17</strong>  &lt;br&gt; Return Lab # 2 and Review (first 30 min. of class) &lt;br&gt; <strong>Exam 2 – CRF Testing</strong></td>
</tr>
<tr>
<td><strong>Tuesday June 18</strong></td>
<td>Begin Body Composition and Muscular Fitness Testing  &lt;br&gt; Complete and turn in Lab # 3.</td>
</tr>
<tr>
<td><strong>Wednesday June 19</strong></td>
<td><strong>Juneteenth Holiday – No Class</strong></td>
</tr>
<tr>
<td><strong>Thursday June 20</strong></td>
<td>Return Lab # 3; Review for Exam 3  &lt;br&gt; Begin discussing Electrocardiogram (ECG).</td>
</tr>
<tr>
<td><strong>WEEK 4</strong></td>
<td><strong>Monday June 24</strong>  &lt;br&gt; Continue discussing ECG (first 30 min. of class) &lt;br&gt; <strong>Exam 3</strong></td>
</tr>
<tr>
<td><strong>Tuesday June 25</strong></td>
<td>Electrocardiogram (ECG) and Axis Deviation</td>
</tr>
<tr>
<td><strong>Wednesday June 26</strong></td>
<td>Continue Axis Deviation  &lt;br&gt; ECG Preparation Lab (Lab # 4)</td>
</tr>
<tr>
<td><strong>Thursday June 27</strong></td>
<td>Begin discussing Cardiac Arrhythmias</td>
</tr>
<tr>
<td><strong>WEEK 5</strong></td>
<td><strong>Monday July 1</strong>  &lt;br&gt; Continue discussing Cardiac Arrhythmias &lt;br&gt; Complete ECG Interpretation lab (Lab # 5)</td>
</tr>
<tr>
<td><strong>Tuesday July 2</strong></td>
<td>Return Lab # 5  &lt;br&gt; Review for Exam 4</td>
</tr>
<tr>
<td><strong>Wednesday July 3</strong></td>
<td><strong>Exam 4 – ECG Interpretation</strong></td>
</tr>
</tbody>
</table>
Thursday
July 4
• Independence Day – No Class

Friday
July 5
• Make Up for excused absences.

*Schedule is an approximation and could change*

VI. Required Readings:

• Access to Desire2Learn to download class lectures and handouts – bring lab handouts to class.

Additional Resources

VII. Course Evaluations:
“Near the conclusion of each semester, students in the College of Education electronically evaluate courses taken within the COE. Evaluation data is used for a variety of important purposes including: 1. Course and program improvement, planning, and accreditation; 2. Instruction evaluation purposes; and 3. Making decisions on faculty tenure, promotion, pay, and retention. As you evaluate this course, please be thoughtful, thorough, and accurate in completing the evaluation. Please know that the COE faculty is committed to excellence in teaching and continued improvement. Therefore, your response is critical!
In the College of Education, the course evaluation process has been simplified and is completed electronically through MySFA. Although the instructor will be able to view the names of students who complete the survey, all ratings and comments are confidential and anonymous, and will not be available to the instructor until after final grades are posted.

VIII. Student Ethics and Other Policy Information:

**Class Attendance (HOP 02-102)**
Absences At the discretion of the instructor, students may be excused from attendance for reasons such as health, family emergencies, or student participation in approved university-sponsored events. When possible, students should notify their instructors in advance about absences. Students are responsible for providing documentation in a timely manner to the instructor for each absence. The instructor determines whether such documentation is satisfactory. Students missing classes, other than for university-sponsored trips, should contact the Dean of Students Office and request that an absence notification be sent to the instructor(s). The notification is not an excuse, and is not evaluated by the Dean of Students Office. The notification is only provided as a courtesy to the student and the student’s instructor(s). If participating in university-sponsored events, announcements in mySFA may constitute official notification. Faculty members sponsoring activities that require their students to be absent from other classes must submit to the Provost and Executive Vice President for Academic Affairs an explanation of the absence, including the date, time, and an alphabetical listing of all attending students. If approved by the Provost and Executive Vice President for Academic Affairs, this information will be posted on mySFA. Whether absences are excused or unexcused by the instructor, a student is still responsible for all course content and assignments. Students with accepted excuses may be permitted to make up work for absences equaling no more than 15% of the scheduled course meeting time for the term, depending on the nature of the missed work. The timeline for completing make-up work will be determined by the instructor.
Institutional Absences (HOP 04-110)

- An Institutional Absence may be granted to a student who participates as a representative of the University in academic (including research), extra- or cocurricular, or athletic activities. Students will be excused for institutional purposes from otherwise required academic activity only when a valid Institutional Absence is approved by the appropriate administrative unit or official and the documentation of approval is provided to the faculty member at least five (5) days in advance.

Institutional absences will not be approved for keystone events, defined as: a special or unique assignment, test, project, experience, or other academic exercise identified by the Faculty member as critical for successful completion of standards of the class and unable to be missed. These events must be identified on the syllabus at the beginning of the semester and communicated to the students. Events added to the syllabus at a later date will not qualify for Keystone Event status. Keystone Events where the date/time is changed will no longer be considered a Keystone Event. Students should make themselves aware of any Keystone Events identified in the syllabus to ensure there are no conflicts. For keystone events where the assignment dates vary, it is incumbent upon the students to work with their faculty member to not select a conflicting date.

More information on Institutional Absences, including how to apply, can be found at https://www.sfasu.edu/deanofstudents/student-resources/institutional-absences.

Code of Student Conduct and Academic Integrity

- The Code of Student Conduct and Academic Integrity (HOP 04-106) outlines the prohibited conduct by any student enrolled in a course at SFA. It is the responsibility of all members of all faculty, staff, and students to adhere to and uphold this policy.

Articles IV, VI, and VII of the new Code of Student Conduct and Academic Integrity outline the violations and procedures concerning academic conduct, including cheating, plagiarism, collusion, and misrepresentation. Cheating includes, but is not limited to: (1) Copying from the test paper (or other assignment) of another student, (2) Possession and/or use during a test of materials that are not authorized by the person giving the test, (3) Using, obtaining, or attempting to obtain by any means the whole or any part of a non-administered test, test key, homework solution, or computer program, or using a test that has been administered in prior classes or semesters without permission of the Faculty member, (4) Substituting for another person, or permitting another person to substitute for one’s self, to take a test, (5) Falsifying research data, laboratory reports, and/or other records or academic work offered for credit, (6) Using any sort of unauthorized resources or technology in completion of educational activities.

Plagiarism is the appropriation of material that is attributable in whole or in part to another source or the use of one’s own previous work in another context without citing that it was used previously, without any indication of the original source, including words, ideas, illustrations, structure, computer code, and other expression or media, and presenting that material as one’s own academic work being offered for credit or in conjunction with a program course or degree requirements.

Collusion is the unauthorized collaboration with another person in preparing academic assignments offered for credit or collaboration with another person to commit a violation of any provision of the rules on academic dishonesty, including disclosing and/or distributing the contents of an exam.

Misrepresentation is providing false grades or résumés; providing false or misleading information in an effort to receive a postponement or an extension on a test, quiz, or other assignment for the purpose of obtaining an academic or financial benefit for oneself or another individual or to injure another student academically or financially. For additional information, go to https://www.sfasu.edu/docs/hops/04-106.pdf.

Withheld Grades Semester Grades Policy (HOP policy 02-206)

Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the coursework because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in
future terms the WH will automatically become an F and will be counted as a repeated course to compute the grade point average. For additional information, go to https://www.sfasu.edu/docs/hops/02-206.pdf.

- **Students with Disabilities**
  To obtain disability-related accommodations, alternate formats, and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services promptly may delay your accommodations. For additional information, go to http://www.sfasu.edu/disabilityservices/.

- **Student Wellness and Well-Being**
  SFA values students’ overall well-being, mental health and the role it plays in academic and overall student success. Students may experience stressors that can impact both their academic experience and their personal well-being. These may include academic pressure and challenges associated with relationships, emotional well-being, alcohol and other drugs, identities, finances, etc.

  If you are experiencing concerns, seeking help, SFA provides a variety of resources to support students’ mental health and wellness. Many of these resources are free, and all of them are confidential.

- Other important course-related policies:

  ***Other SFA policy information is found in the Handbook of Operating Procedures (HOP)***

**IX: Resources**

SFASU values students’ mental health and the role it plays in academic and overall student success. SFA provides a variety of resources to support students mental health and wellness. Many of these resources are free, and all of them are confidential.

The instructor shall have full discretion over what behavior is appropriate/inappropriate in the classroom. Students who do not attend class regularly or who perform poorly on class projects/exams may be referred to the Early Alert Program at SFA.

- **On-campus Resources:**
  - The Dean of Students Office (Rusk Building, 3rd floor lobby)
    www.sfasu.edu/deanofstudents 936.468.7249 dos@sfasu.edu
  - SFASU Counseling Services • www.sfasu.edu/counselingservices
  - Health and Wellness Hub (corner of E. College and Raguet) • 936-468-2401
  - SFASU Human Services Counseling Clinic • www.sfasu.edu/humanservices/139.asp

  Human Services Room 202 • 936-468-1041
  - The Health and Wellness Hub “The Hub”
  Location: corner of E. College and Raguet St.
    - To support the health and well-being of every Lumberjack, the Health and Wellness Hub offers comprehensive services that treat the whole person – mind, body and spirit.
      Services include:
      - Health Services
      - Counseling Services
      - Student Outreach and Support
      - Food Pantry
      - Wellness Coaching
      - Alcohol and Other Drug Education

  www.sfasu.edu/thehub
  936.468.4008
  thehub@sfasu.edu
- Crisis Resources:
  - Burke 24-hour crisis line 1(800) 392-8343
  - National Suicide Crisis Prevention: 9-8-8
  - Suicide Prevention Lifeline 1(800) 273-TALK (8255)
  - Crisis Text Line: Text HELLO to 741-741

IX. Other Relevant Course Information:

Course Rationale:
Research indicates that daily health/fitness related behaviors determine the quality and longevity of our life. This course is designed to provide information to create awareness of and motivation toward development of positive health and fitness behaviors. The practice of long-term positive health and fitness behaviors are essential to an individual’s physical, emotional, social, occupational, environmental, intellectual, and spiritual well-being.

Insurance:
Physical activity by its very nature may put you at some level of physical risk. It is strongly advised that you carry your own health/accident insurance. You are not covered by a Departmental or University insurance policy.

Cell phone/laptops:
Cell phone use is not permitted during class; this includes texting, recording and/or picture taking. Laptops may be used for NOTE TAKING ONLY.

Professionalism:
You are working towards a degree to be a professional, so you should look and speak that way. No sagging pants. No caps or hats in the classroom and building or unprofessional attire!!!

General Classroom Civility:
Students should be respectful of the instructor and other students during class time. Please do not interrupt your classmates or the instructor when they are speaking, and do not talk when someone else is talking. Students will not be allowed to read the newspaper, complete work from other classes, talk to their neighbors, sleep during class, or engage in other activities that are distracting to the instructor or other students. Any student found violating this code of conduct will be asked to leave the classroom and will be given an unexcused absence for the class period.

Exam Conduct:
- You may not wear sunglasses during an exam.
- You will be asked to remove your hat/jacket.
- You must place all class materials out of sight in a backpack at the front of the classroom.
- Bathroom breaks or leaving the room for any reason will not be allowed during exams (so plan ahead!)
- Students who leave the room for any reason will receive a “0” for the exam.
- No food or drinks will be allowed during exams - this includes water and gum – students will receive a “0”.
- Engagement in suspicious behaviors such as talking with others, roving eyes, tapping your hands or feet repeatedly during exams, etc. may be construed as cheating by the instructor and are grounds for dismissal from the examination and an automatic 0 on the examination as well as further disciplinary action at the discretion of the instructor
- All cell phones and electronic devices must be turned off and left at the front of the classroom.
- Students who do not bring electronic devices to class MUST still provide proof that he/she is not carrying a device (emptying pockets, etc.).
- Students who DO NOT turn in his/her electronic devices OR provide proof of no electronic device will NOT be permitted to take the exam and will receive a “0”.
- Use of such devices during examination may be construed as cheating and result in associated disciplinary action.
Technical Support:
For D2L technical support, contact student support in the Office of Instructional Technology (OIT) at d2l@sfasu.edu or 936-468-1919. If you call after regular business hours or on a weekend, please leave a voicemail.
For general computer support (not related to D2L), contact the Technical Support Center (TSC) at 936-468-HELP (4357) or at helpdesk@sfasu.edu.
To learn more about using D2L, visit SFA ONLINE at http://sfaonline.sfasu.edu, where you’ll find written instructions and video tutorials.