I. Course Description
This course addresses the principles and practice of sports conditioning. Topics will include athletic needs evaluation, exercise programming, and program implementation. Issues regarding resistance exercise, speed, endurance, explosiveness training, and agility will be addressed.

II. Rationale
Sport Conditioning is designed to increase the student’s knowledge of the different components involved in developing a sport conditioning for athletes in a wide range of sports.

III. STATE ADOPTED PROFICIENCIES FOR TEACHERS AND/OR ADMINISTRATORS/COUNSELORS – N/A

IV. TExES Competencies – N/A

V. NATIONAL CAATE COMPETENCIES & PROFICIENCIES FOR ATHLETIC TRAINING (CAATE 4th Ed.)

Risk Management Competencies Taught & Evaluated:
- RM-C11: Explain the importance and use of standard tests, test equipment, and testing protocol for the measurement of cardiovascular and respiratory fitness, body composition, posture, flexibility, muscular strength, power, and endurance.
- RM-C12: Explain the components and purpose of periodization within a physical conditioning program.
- RM-C13: Identify and explain the various types of flexibility, strength training, and cardiovascular conditioning programs. This should include the expected effects (the body’s anatomical and physiological adaptation), safety precautions, hazards, and contraindications of each.

Risk Management Proficiencies Taught:
- RM-P1: Instruct the patient how to properly perform fitness tests to assess his or her physical status and readiness for physical activity. Interpret the results of these tests according to requirements established by appropriate governing agencies and/or a physician. These tests should assess:
  - RM-P1.1: Flexibility
  - RM-P1.2: Strength
  - RM-P1.3: Power
  - RM-P1.4: Muscular Endurance
  - RM-P1.5: Agility
  - RM-P1.6: Cardiovascular Endurance
  - RM-P1.7: Speed
• RM-P2: Develop a fitness program appropriate to the patient’s needs and selected activity or activities that meet the requirements established by the appropriate governing agency and/or physician for enhancing:
  o RM-P2.1: Flexibility
  o RM-P2.2: Strength
  o RM-P2.3: Power
  o RM-P2.4: Muscular Endurance
  o RM-P2.5: Agility
  o RM-P2.6: Cardiovascular Endurance
  o RM-P2.7: Speed

• RM-P3: Instruct a patient regarding fitness exercises and the use of weight training equipment to include correction or modification of inappropriate, unsafe, or dangerous lifting techniques.

Therapeutic Exercise Competencies Taught:
• EX-C4: Describe the appropriate selection and application of therapeutic exercises taking the following into consideration:
• EX-C4d: The physiological adaptations induced by the various forms of therapeutic exercise, such as fast- versus slow-twitch muscle fibers

VI. Course Objectives/Learning Outcomes
A. Students must be able to identify and prove their understanding of the key components of a sport conditioning program through discussion, testing and practical application.
B. Students will be able to design a sport conditioning program by prescribing various training methods and modes based upon an athlete’s health status, strength and conditioning levels and training goals.
C. Students will be expected to describe, teach and evaluate safe and effective exercise techniques based upon the sport’s demands.
D. Students will be expected to select and administer appropriate tests to maximize test reliability and validity.
E. Instructor will use different media to support material covered, such as, guest speakers, videos, class discussion, testing and field application.

VII. Course Topics
• Testing
• Motor Skills
• Functional Movement
• Flexibility
• Strength
• Plyometrics
• Anaerobic/Aerobic conditioning
• Agility
• Periodization

VIII. Evaluation and Grade Assignment
Instructional Methods and Activities
• Traditional Experiences: Lecture, discussion, demonstration, and video
• Clinical Experiences: Simulations, cooperative group activities, student demonstrations and presentations, lab exercises, and role play
• Course evaluation is based upon the assessment of each student’s mastery of the course content (knowledge). Knowledge is evaluated by written examinations, course assignments,
and participation experiences. Grades are awarded according to the EARNED percentage of the FINAL MAXIMUM POINT TOTAL.

A. Methods and Percentage of Final Course Assessments (Approximate)

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>Attendance and Participation</td>
<td>25%</td>
</tr>
<tr>
<td>Quizzes (15 @ 10 pts each)</td>
<td>20%</td>
</tr>
<tr>
<td>Sport Conditioning Presentation</td>
<td>5%</td>
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<tr>
<td>Sport Performance Programs (3 @ 20 pts)</td>
<td>25%</td>
</tr>
<tr>
<td>Tests (3 @ approx..50 pts each)</td>
<td>25%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
</tr>
<tr>
<td>Final (Comprehensive)</td>
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</tbody>
</table>
B. Grading Scale

- A = 90-100%
- B = 80-89%
- C = 70-79%
- D = 60-69%
- F = 50-59%

“Students majoring in Kinesiology must complete ALL kinesiology courses (e.g. courses with a KINE prefix) with a grade of “C” or better (Undergraduate Catalog 2018-2019).

IX. Class Policies

A. Attendance is required for each class and will be taken for activity days. For each unexcused absence, 5 points will be deducted from “Attendance points”.
   - Documentation of university-approved commitments is required by the instructor.
   - Documentation for absences due to personal emergencies may be requested by the instructor.
   - Make up opportunities will NOT be permitted for class-work or assignments missed due to UNEXCUSED absences, late arrivals or early departures.

B. Students are expected to arrive to class on time and to participate in class activities. Please be on time as a courtesy to your professor and others. If you are going to be absent or late the instructor should be notified at the earliest opportunity. The student is responsible for informing the instructor if class attendance will be affected by “approved university business”.

C. Assignments are due the day they are scheduled to be due at the time they are scheduled. You must complete all testing and projects as assigned. Make-ups are NOT permitted.

D. MAKE-UP EXAMS are given only with prior permission from the instructor.

E. It is inappropriate to have cell phones active during lecture, there may be possibilities where students can use phones for class related activities. Texting is not permitted. If you have an emergency, please step out of the classroom and take care of it without interrupting others.

G. Appropriate Classroom Behavior: Students are expected to be present, prompt, prepared, and focused on the activities of the class. Appropriate questions and discussions are welcome during the class. RESPECT and COURTESY are expected at all times. Students, who are disruptive, exhibit rude or disrespectful behavior to the professor or other students will be asked to leave the class.

H. University students are expected to conduct themselves in accordance with the highest standards of academic honesty. Academic or scholastic dishonesty, including plagiarism, collusion, or cheating on any examination, test, or classroom assignment will be treated with the greatest severity. See the student catalog for consequences of student misconduct.

I. Dress appropriately for activity days. Wear supportive running or cross-training shoes and other appropriate supportive attire as required. You will not be allowed to participate without proper attire – NO FLIP FLOPS OR OPEN TOED SHOES. Recommend that you bring water and a towel.
J. Students are responsible for the safety of all personal belongings on activity days. Lockers are provided free of charge. See the attendant about obtaining one.

K. If you have any pre-existing medical conditions or are not feeling well before, during or after class, please inform the instructor.

X. Text

XI. Bibliography
- Aaberg, E. Muscle mechanics. Champaign, IL: Human Kinetics,

XII. Grade Appeals
As stated in University Rule 13.02.99.C2, Student Grade Appeals, a student who believes that he or she has not been held to appropriate academic standards as outlined in the class syllabus, equitable evaluation procedures, or appropriate grading, may appeal the final grade given in the course. The burden of proof is upon the student to demonstrate the appropriateness of the appeal. A student with a complaint about a grade is encouraged to first discuss the matter with the instructor. For complete details, including the responsibilities of the parties involved in the process and the number of days allowed for completing the steps in the process, see University Rule13.02.99.C2, Student Grade Appeals, and University Procedure 13.02.99.C2.01, Student Grade Appeal Procedures. These documents are accessible through the University Rules Web site at http://www.tamucc.edu/provost/university_rules/index.html. For assistance and/or guidance in the grade appeal process, students may contact the Office of Student Affairs.

XIII. Disabilities Accommodations
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please call or visit Disability Services at (361) 825-5816 in Driftwood 101.
If you are a returning veteran and are experiencing cognitive and/or physical access issues in the classroom or on campus, please contact the Disability Services office for assistance at (361) 825-5816.
XIV. Course Schedule

Week #1
Review Syllabus/The Muscular & Neuromuscular System (Ch. 1)/ Adaptations to Anaerobic Training Programs (Ch. 5)
Functional Movement/Functional Movement screen – Power (Island hall Gym)
Testing Administration & Interpretation (Ch. 11 & 12)/Sport Testing – IH Gym

Week #2
**Sport Performance Factors/Testing Program Due/Test #1**
Warm-up & Flexibility (Ch. 13)/ IH Gym
Aerobic Endurance Exercise Training (Ch. 18)/Aerobic Conditioning – IH Gym
Speed, Agility and Speed-Endurance development (Ch. 17)/Linear Speed video/Sprinting errors/Aerobic conditioning – IH Gym
Speed & Agility drills – IH Gym

Week #3
**Test #2 due/Stretching & Anaerobic & Aerobic Program Due**
Biomechanics of Conditioning Exercises (Ch. 4) Movement analysis
Functional Movement Training - Mike Boyle/ Functional Training (Handout – Boyle) – Power
Upper Body – Functional Training - Power
Resistance Training & Spotting Techniques (Chapter 14)/ DWC Upper Weight Rm

Week #4
Resistance Program design (Ch. 15)/DWC Lower Weight room
Olympic/Power lifts – DWC Multipurpose Rm 243/Olympic Lifting Tests – DWC Lower Weight room
Plyometrics – (Ch. 16)/Plyometrics – IH Gym/Periodization (Ch. 19)
Age & Sex-Related Differences & their Implications for Resistance Exercise (Ch. 7)
Performance-enhancing Substances (Ch. 9)

Week #5
Rehabilitation & Reconditioning (Ch. 20)
**Resistance & Plyometric Program Due/Test #3**
Project Presentations
Comprehensive Final