

**KES 5312 – Advanced Human Nutrition
Spring 2022**

**Dr. Chris Herrera, PhD, MBA
Associate Professor & Department Chair - Kinesiology**

Office: Grace-Pierce 101

Phone: 432/837-8375 office

Email: Christopher.herrera@sulross.edu

*****Please include KES 3318 in subject of ALL emails)**

Office Hours: M-F: 1:30pm-3:30pm **or by appointment (email to set an appointment)**

Class Meeting: None

Required Text:

Title: Nutrition for Health, Fitness, and Sport 12th ed.

Author: Williams

Publisher: McGraw-Hill Education

ISBN: 9781260258974

For this course you will be required to purchase McGraw-Hill Education Connect[®] access - You are not required to have a print text in addition to Connect access, so please be aware that if you purchase a used textbook you will still need to purchase Connect access.

A print-upgrade option is available via Connect if you find yourself wanting a print companion at some point during the semester. This will be a full color binder-ready version of the text and can be mailed directly to you for an additional \$25.00 (including shipping and handling). Please note that Connect works best on Google Chrome or Firefox. You will also need to access the SRSU Library to locate and download peer-review, scholarly articles. For assistance, [Ask the Library](#) or contact the [Graduate Student Center](#) for help.

COURSE DESCRIPTION

The content of this course will be focused on the metabolism of food by various tissues of the body and its relation to exercise. The role of diet in the development and treatment of some chronic diseases will be discussed along with the application of nutritional principles to enhance overall lifestyles. This course provides an integrated overview of the physiological requirements and functions of energy and the major vitamins and minerals that are determinants of health and diseases in human populations.

EXPECTATION OF STUDENTS

Students are responsible for keeping up with the reading and are expected to read the assigned chapters and/or other posted readings prior to class in order to contribute to online discussion. Handouts distributed through Blackboard should be kept in a notebook in order to be referred to as necessary.

STUDENT LEARNING OUTCOMES

- A. The student will understand the metabolism of foods and the role of nutrients in various tissues of the human body.
- B. The student will understand the changes in the metabolism of foods due to acute and chronic exercise, and the role of nutrition as an ergogenic aid for athletic performance.
- C. The student will be able to interpret food labels and grams/servings.
- D. The student will understand ACSM recommendations for energy nutrients.
- E. The student will understand the changes in body composition as a result of dietary regimens.
- F. The student will understand the role of diet in the development and treatment of some chronic diseases.

PROGRAM LEARNING OUTCOMES & MARKETABLE SKILLS

This course is aligned with the following program learning outcomes & marketable skills:

HHP Content Knowledge: Students in the HHP program will demonstrate content knowledge in exercise physiology, nutrition, sports law, tests and measurements, research methods, motor learning, group dynamics and health and human behavior necessary for successful performance in their field.

Critical Thinking/Problem Solving: Exercise sound reasoning to analyze issues, make decisions, and overcome problems. The individual is able to obtain, interpret, and use knowledge, facts, and data in this process, and may demonstrate originality and inventiveness.

Communications: Articulate thoughts and ideas clearly and effectively in written and oral forms to persons inside and outside of the organization. The individual has public speaking skills; is able to express ideas to others; and can write/edit memos, letters, and complex technical reports clearly and effectively.

LATE WORK POLICY

All coursework must be submitted by the provided due dates in Blackboard or Connect. LearnSmart readings must be completed by the due date for credit – no late work will be accepted. Discussions/Responses/Assignments/ Quizzes/Final Projects carry a 5% deduction per day late; up to 30% maximum deduction. If you have not turned in an assignment within 7 days of the due date, you must email the professor for grading consideration.

ALL COURSE REQUIREMENTS DEADLINE

Due to the time requirement for grading purposes, all course requirements must be submitted/completed by the 'Course Requirements Deadline' of Wednesday in Week 8 at 11:59pm to be counted for credit towards the final letter grade in this course. There will be no exceptions to this policy. Late deductions will apply as per above policy.

Methods of Evaluation (See next page 'Course Requirements' for more details)

Outcome Measure	Points per unit	Available Points	Percentage of Grade
Connect LearnSmart Chapter Readings	11-12	150	15%
Connect Quizzes	50	150	15%
Discussions	50	200	20%
Assignments	100	400	40%
Final Project	100	100	10%
Total/Final Grade*	--	1000	100%

*Letter Grading as per SRSU policy will be used in this course.

Note: Satisfactory progress in the HHP program means a cumulative GPA of 3.0 in all core classes (e.g. everything leading up to the final practicum course). In most cases, this means a 'B' or better in each class is considered satisfactory progress.

TENTATIVE COURSE CALENDAR

Week	LearnSmart Chapters	Assessments
Week 1: Jan 10-16	LearnSmart Chapters 1-3	Discussion 1 / Assignment #1
Week 2: Jan 17-23	LearnSmart Chapters 4-6	Quiz 1: Chapters 1-6,
Week 3: Jan 24-30	LearnSmart Chapters 7-9	Assignment #2, Discussion 2
Week 4: Jan 31-Feb 6	LearnSmart Chapters 10-11	Quiz 2: Chapters 7-11,
Week 5: Feb 7-Feb 13	LearnSmart Chapters 12-13	Assignment #3, Discussion 3
Week 6: Feb 14-Feb 20	<i>Recommend review all previous work and final assignment</i>	Quiz 3: Chapters 12-13
Week 7: Feb 21-27	<i>Recommend: Begin Final Assignment</i>	Assignment #4, Discussion 4
Week 8: Feb 28-Mar 4	<i>Recommend: Complete Final Project</i> <i>***Recommend copy/save all discussions from yourself and others, and all submitted work so you can have this material for your COMP exam at the end of the program.</i>	Final Project

COURSE REQUIREMENTS

Connect LearnSmart

-150 points total; 11-12 points per chapter

LearnSmart is an interactive reading program provided through McGraw-Hill Connect. These modules will guide you through each individual chapter asking questions to assess your knowledge along the way. These assignments will cover information that will be on each of the chapter quizzes, as well as, information contained within your assignments.

Connect Quizzes

-150 points total; 50 points per quiz

There will be three quizzes throughout the semester that will assess your knowledge of the corresponding LearnSmart assignments. Each quiz contains a mixture of information from the various chapters assigned. The quizzes will consist of multiple choice and true/false questions.

Discussions – 200pts total

50 points each; 40 points for post / 10 points for ‘response’

There will be a set of discussion prompts associated with assignments in this course.

To create a thread, you click on the hyperlink to the discussion and then click on create new thread. Put a short title and the week number in the subject line (e.g. Maximum voluntary contraction in basketball players-Week 3). Please type your discussion answers directly in the message area, only attach assignments or research articles (if applicable).

‘Response’ → “Application”

Under each discussion post you must read and respond to **TWO** of your classmate’s original discussion post. Each response is worth up to 10 points. Responses are due 48hrs after the original discussion due date.

The response must be at least 100 words and more than “good job”, “I like what you said”, etc., it must be a substantial response that would be as if you were having a discussion on the topic in class.

Specifically, a substantial response would apply the content discussed in a new way – including but not limited to: adding to the discussion with further information you find (cite your source), describing application to sports, health or performance, as well as providing constructive criticism / a different viewpoint. Responses should be professional/academic responses and not chat room or informal language. To respond to another’s post, click on their post and then choose reply. Title the subject of your response with your “Last name” and

“response to Authors Last Name Week 3 post” (eg. Herrera’s response to Henderson’s Week 3 post).

Assignments- 400 points total; 100 points per assignment

The assignments provide a real-world / practical application of the course content. There will be three assignments throughout the semester that will focus on specific topics covered in the text. Each assignment also has a corresponding discussion board. The basic format of the discussion is responding to a listed prompt in paragraph structure, citing sources when appropriate, using the APA format.

Final Project

-100 points total

This Final Project will require in depth application of knowledge gained throughout the course in relation to the Student Learn Outcomes stated previously in the syllabus. For detailed instructions on this assignment refer to Week 8 in Blackboard. *Reminder: Be sure to look at this in Week 6 so you are prepared and can schedule the time needed to complete the project.*

Blackboard Collaborate - HHP Virtual Classroom

No points provided

Blackboard Collaborate is a virtual classroom that will be used during this course. Attendance is not required but it will provide students with an opportunity to interact in real-time with other students in the program and HHP instructors. The date and time will be sent via Blackboard announcement and the topics in each session are not assigned but will be related to the coursework of that week. All session times are CST and noted in Blackboard using ‘Virtual Classroom – Collaborate Ultra’ link.

Notes

- Although not necessary please try to email me prior to session if you would like to discuss a certain topic pertaining to an HHP class.
- No dress code for these session; just come prepared for professional conversation
- Contact SRSU Blackboard support should you need technical assistance. See syllabus for contact info.

PS!!!

Students can use this video conferencing tool to COLLABORATE and discuss course materials ANYTIME - it's here for you to use :)

LEARNER SUPPORT

SRSU GRADUATE CENTER

The Graduate Student Center, located in BAB 104, provides resources and services for all SRSU graduate students. There is a computer lab with desktop computers and a networked printer/copier/scanner; laptop computers which can be checked out; a projector and screen for rehearsing student presentations; and a conference room for group study. Both Alpine and distance education students can receive writing and other assistance by calling 432-837-8524.

BLACKBOARD

Our new 24/7 Blackboard online support desk and toll free hotline are set to debut next Monday, May 18th, the Blackboard online support desk toll free number will go live and will be made available to SRSU faculty and students to begin using immediately for any Blackboard technical support issues. SRSU 24/7 Blackboard Technical Support Online Support Desk Contact Info: Toll Free: 888.837.6055 Email: blackboardsupport@sulross.edu

MCGRAW HILL CONNECT If you have any technical issues or questions, please contact McGraw-Hill's Customer Experience Group at 1-800-331-5094.

UNIVERSITY POLICIES

Accidents & Injuries

In the case of bodily or personal property damage, the Kinesiology Department will not be held responsible. The student must report any field experience related injury or illness to the Instructor immediately. Any expense incurred due to injury or illness will be the student's responsibility.

SRSU Distance Education Statement

Students enrolled in distance education courses have equal access to the university's academic support services, such as library resources, online databases, and instructional technology support. For more information about accessing these resources, visit the SRSU website. Students should correspond using Sul Ross email accounts and submit online assignments through Blackboard, which requires secure login. Students enrolled in distance education courses at Sul Ross are expected to adhere to all policies pertaining to academic honesty and appropriate student conduct, as described in the student handbook. Students in web-based courses must maintain appropriate equipment and software, according to the needs and requirements of the course, as outlined on the SRSU website. Directions for filing a student complaint are located in the student handbook.

SRSU Library Info

The Bryan Wildenthal Memorial Library in Alpine. Offers FREE resources and services to the entire SRSU community. Access and borrow books, articles, and more by visiting the library's website, library.sulross.edu. Off-campus access requires logging in with your Lobold and password. Librarians are a tremendous resource for your coursework and can be reached in person, by email (srsulibrary@sulross.edu), or phone (432-837-8123).

Disability Statement

SRSU Disability Services. Sul Ross State University (SRSU) is committed to equal access in compliance with Americans with Disabilities Act of 1973. It is SRSU policy to provide reasonable accommodations to students with documented disabilities. It is the student's responsibility to initiate a request each semester for each class. Alpine students seeking accessibility/accommodations services must contact Mary Schwartze Grisham, M.Ed., LPC, SRSU's Accessibility Services Coordinator at 432-837-8203 (please leave a message and we'll get back to you as soon as we can during working hours), or email mschwartz@sulross.edu. Our office is located on the first floor of Ferguson Hall (Suite 112), and our mailing address is P.O. Box C-122, Sul Ross State University, Alpine, Texas, 79832.

Academic Integrity Statement

Students in this class are expected to demonstrate scholarly behavior and academic honesty in the use of intellectual property. A scholar is expected to be punctual, prepared, and focused; meaningful and pertinent participation is appreciated. Examples of academic dishonesty include but are not limited to: Turning in work as original that was used in whole or part for another course and/or professor; turning in another person's work as one's own; copying from professional works or internet sites without citation; collaborating on a course assignment, examination, or quiz when collaboration is forbidden.

Classroom Climate of Respect

Importantly, this class will foster free expression, critical investigation, and the open discussion of ideas. This means that all of us must help create and sustain an atmosphere of tolerance, civility, and respect for the viewpoints of others. Similarly, we must all learn how to probe, oppose and disagree without resorting to tactics of intimidation, harassment, or personal attack. No one is entitled to harass, belittle, or discriminate against another on the basis of race, religion, ethnicity, age, gender, national origin, or sexual preference. Still we will not be silenced by the difficulty of fruitfully discussing politically sensitive issues.

Diversity Statement

I aim to create a learning environment for my students that supports a diversity of thoughts, perspectives and experiences, and honors your identities (including race, gender, class, sexuality, religion, ability, socioeconomic class, age, nationality, etc.). I also understand that the crisis of COVID, economic disparity, and health concerns, or even unexpected life events could impact the conditions necessary for you to succeed. My commitment is to be there for you and help you meet the learning objectives of this course. I do this to demonstrate my commitment to you and

to the mission of Sul Ross State University to create an inclusive environment and care for the whole student as part of the Sul Ross Familia. If you feel like your performance in the class is being impacted by your experiences outside of class, please don't hesitate to come and talk with me. I want to be a resource for you.

Academic Affairs Service Statement

Sul Ross faculty, staff, and students are expected to model responsible citizenship through service activities that promote personal and academic growth while enhancing the university, local, regional, national, and global communities. These activities will foster a culture of academic/public engagement that contributes to the achievement of the university's mission and core values.

Academic Excellence Statement

Sul Ross holds high expectations for students to assume responsibility for their own individual learning. Students are also expected to achieve academic excellence by:

- Honoring the core values of Sul Ross.
- Upholding high standards of habit and behavior.
- Maintaining excellence through class attendance and punctuality.
- Preparing for active participation in all learning experiences.
- Putting forth their best individual effort.
- Continually improving as independent learners.
- Engaging in extracurricular opportunities that encourage personal and academic growth.
- Reflecting critically upon feedback and applying these lessons to meet future challenges.