

## HECO 1322 Personal Nutrition / Online Section

**Institution:** South Plains College

**Division:** Arts and Sciences

**Department:** Science

**Discipline:** Nutrition

**Course Number:** HECO 1322    **Course Title:** Personal Nutrition    **Credit:** 3

**Semester:** Fall 2025

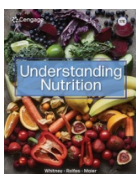
**Prerequisites:** None

**Instructor:** Keila Ketchersid, MS, RD, LD Professor in Nutrition  
Office: Science Building, Office 68 - Levelland Campus  
Telephone: 806 716-2325  
Email- [kketchersid@southplainscollege.edu](mailto:kketchersid@southplainscollege.edu)

**Office Hours:** Tuesday 9:30 AM – 12:00 PM    1:00 -2:30 PM  
Thursday 9:30 AM – 12:00 PM  
F 10:00 AM –11:30 AM (or by appointment)  
Will also be able to accommodate virtual meetings.

### Course Materials:

- **Textbook Info/Inclusive Access:** The textbook and resources for this course are available in digital form through the Inclusive Access textbook program at South Plains College. That means the e-book edition of the textbook and/or all required resources are provided in the Blackboard portion of the course from the first day of class. The fee for the e-book/resources is included in the student tuition/fee payment, so there is no textbook or access code to purchase for this course.
- **E-book features: Features** include the ability to hear the text read aloud, highlight, take notes, create flash cards, see word definitions, build study guides, print select pages, and download up to 20% of the book for offline access.
- **Physical textbook:** Students who would also like a printed textbook can purchase through various online locations with the ISBN listed below. **Note you cannot opt of the eBook inclusive access due to the fact that this is where your assignments are located.**



**ISBN: 9780357974278 Print Edition.**

**Minimum Computer Requirements:**

1. Laptop or PC running a 1.8+ GHz CPU , 32 MB of free memory, a minimum 2 GB hard drive and running updated Windows, macOS, or ChromeOS software (mobile device not recommended for course content)
2. Web Browser: Google Chrome is strongly recommended for MindTap.
3. Knowledge of how to navigate web pages and how to deal with pop-up blockers and warnings.
4. A reliable, high-speed internet connection.
5. Knowledge of how to download files from your web browser and find them on your computer once they are downloaded
6. Microsoft Office, specifically Microsoft PowerPoint and Word software (free through SPC)
7. Knowledge of basic operations of Microsoft Word and Microsoft PowerPoint
8. Windows Media or Quicktime Player (the latest version)
9. DirectX graphics with working speakers or headphones

**Course Description:** Study of the chemical, physical, and sensory properties of food; nutritional quality; and food use and diet applications.

**Course Purpose:** The purpose of the course is to introduce students to the six classes of nutrients, carbohydrates, lipids, protein, vitamins, minerals, and water. Students will discover food sources of nutrients, digestion, absorption, and metabolism of nutrients, as well as their relationships to chronic disease. Over-consumption and toxicities are also addressed where they are appropriate.

**Course Specific Instructions:** This course is completely online. Please expect to spend approximately 4-6 hours per week reading, completing assignments, and exams weekly. You must be very self-disciplined to complete an online course. All assignments, worksheets, and exams etc. must be completed and submitted by their specific deadlines.

**BlackBoard:** The lecture portion of this course is completely online and is conducted through Blackboard. BlackBoard may be accessed at <http://southplainscollege.edu.blackboard.com>. For help concerning the use and features of BlackBoard you can access the help menu at the top of each BlackBoard page that you visit. For technical issues concerning BlackBoard, contact SPC BlackBoard Student Support at the Instructional Student Support at the Instructional Technology department at [blackboard@southplainscollege.edu](mailto:blackboard@southplainscollege.edu) or 806 716-2180. Only contact them if you need assistance with login or browser related questions. DO NOT contact them if your computer crashes, your internet connection fails, you have instructional questions for your instructor, etc. Please include your full names, course registered for with instructor and section noted, and the preferred way for them to contact you.

**Cengage:** Problems with your Cengage Access, Contact:

Online [www.cengage.com/support](http://www.cengage.com/support)

Phone 1.800.354.9706

**Copyright Notice:** All material presented by the instructor in the course is copyright protected. The material presented by the instructor may not be modified or altered in any way. You have permission to print out one copy of any material presented by the instructor in this course (ex. Class information sheet, course orientation, and chapter module PowerPoint presentations). The one copy must only be used for your personal educational use during this semester. The material may not be altered or modified in any way. The material may not be distributed in any way. You have permission to download the same material to your computer hard drive or other medium in order to print out the material. Downloaded material may not be altered or modified in any way. The downloaded material may not be distributed in any way.

**E-Mail: When you have questions, problems, or comments, you can e-mail through BlackBoard messages or at [kketchersid@southplainscollege.edu](mailto:kketchersid@southplainscollege.edu).** I will respond to your message within 48 hours if I receive your e-mail between 8:00 AM Monday and 3:30 PM Thursday (excluding holidays). E-mails received during the time period lasting from 3:30 PM Thursday to 8:00 AM Monday of the following week will receive a response within 48 hours of that Monday.

**Expectations when Corresponding:** Please be polite, courteous, and respectful when using BlackBoard messages, e-mail discussion forums, and chat rooms. Do not use profanity under any circumstances. Do not write disrespectful, insulting, mean, rude, profane, insensitive, or any other hurtful messages or comments under any circumstances. Failure to abide by this policy will result in appropriate disciplinary actions. Students are expected to maintain a pleasant learning environment for themselves as well as for their classmates. Therefore, if, in the view of the instructor, a student is disrupting the class the appropriate disciplinary action will be taken.

**Online Disclaimer:** This is to notify you that materials you may be accessing in chat rooms, messages, discussion forums or unofficial web pages are not officially sponsored by the instructor of South Plains College. The United States Constitution rights of free speech apply to all members of our community regardless of the medium used. The instructor and South Plains College disclaim all liability for data, information, or opinions expressed in these forums.

**Computer Problems or BlackBoard Server Problems:** If a student's internet connection goes down, or a student's computer crashes or otherwise becomes inoperable for BlackBoard, it is the responsibility of the student to have their internet connection and/or computer repaired as soon as possible in order to avoid getting behind in the class. While the computer and/or internet connection is being repaired, the student should seek an alternate computer. There are computer labs on both the Levelland and Reese campuses. Internet problems and/or the crash or inoperability of a computer will not be an acceptable excuse for being late with assignments or exams. It is the responsibility of the student to have a backup plan in place. If the BlackBoard server goes down, the appropriate time extensions will be determined and announced by the instructor.

**Logging into the Course:** You are not allowed to give your user ID and or/password to anyone. You will be dropped and given an F for your final grade if someone besides you is caught logging into this course under your user ID and/or password.

**Outcomes Inventory:** A pre- and post-test may be used to determine the extent of improvement the class gained during the semester, given at the instructor's discretion.

**Lecture Quizzes/Exams:** There will be 13-15 lecture quizzes covering the material for each chapter. The dates for the exams are outlined in the schedule portion of this class information sheet. No outside material is to be used on the lecture exams. You may only reference what is provided to you on the lecture exams. A message will be sent to you, giving complete instructions for when the exam is available, time allotted to complete it, and the due date. A missed exam will result in a grade of a 0. Deadline Extensions and resets will not be given. The material for each lecture exam is subject to change. Changes will be announced if necessary.

**Articles, Case Studies, Video Assignments, Discussion Forums:** All of these assignments may be assigned from the textbook and from Cengage MindTap Coursemate. The deadlines for all of these assignments are outlined in the appropriate chapter on your syllabus and will appear in the same order on your MindTap page. Deadline extensions will not be given.

**Diet and Wellness Activities** – This will include your Three-Day Food Record, the Diet and Wellness Report, and the 5 Nutrient reports that use the Diet and Wellness Report. **If you do not complete and turn in the Three-Day Food Record and Diet and Wellness report, you will not be allowed to turn in the other Nutrient reports as they use these reports.** There will not be any deadline extensions for these activities, and they are heavily weighted in your final grade. See Grade Percentage Breakdown.

**FINAL EXAM:** The final exam will be comprehensive, covering all chapters. Please keep your notes throughout the entire semester to use for the final exam. Deadline extensions will not be given, and the final exam will not be reset.

**VIDEOS:** There may be links to videos in the PowerPoint presentations and within MindTap activities that must be viewed in their entirety. You will need the latest version of Windows Media Player and a high-speed internet connection to view these videos.

**ATTENDANCE:** It is vitally important that you access this course at least four times a week. If you are unable to finish this course, complete a withdrawal slip at the registrar's office. **Students will be dropped from the course if they have failed to login and participate in the online course for 7 or more days.**

**ACADEMIC INTEGRITY: Cheating** (as defined in the SPC General Catalog) will not be tolerated. If a student is caught cheating a grade of zero will be given and the instructor has the right to drop the student from the course.

**Core Objectives to be integrated into HECO 1322 as required by the THECB (Texas Higher Education Coordinating Board):**

Teamwork / Communication / Empirical and Quantitative Skills / Critical Thinking

**For information regarding official South Plains College statements about intellectual exchange, disabilities, non-discrimination, Title IX Pregnancy Accommodations, CARE Team, and Campus Concealed Carry, and AI please visit:** <https://www.southplainscollege.edu/syllabusstatements/>.

## COVID-19

Please contact DeEtte Edens at [dedens@southplainscollege.edu](mailto:dedens@southplainscollege.edu) or 806-716-2376 for COVID 19 questions.

<https://www.southplainscollege.edu/emergency/covid19-faq.php#>

### Grade Itemization

1 Introduction Forum	30 points
15 Quizzes (15 pts/each)	225 points
15 Video Quizzes	45 points
1 Three Day Food Record	50 points
1 Diet and Wellness Average Report	50 points
5 Nutrient Diet and Wellness Reports (25 points/each)	125 points
15 Debunk the Junks	88 points
15 A Closer Looks	96 points
15 Case Studies (8 points/each)	120 points
Final Exam	100 points

### Grade Percentage Breakdown

1 Introduction Forum	(5% of Final Grade)
15 Chapter Quizzes	(25% of Final Grade)
1 Three Day Food Record 1 Diet and Wellness Average Report 5 Diet and Wellness Reports	(25% of Final Grade)
15 Video Quizzes 15 Case Studies 15 Debunk the Junks 15 A Closer Looks	(35% of Final Grade)
Final Exam	(10% of Final Grade)

Assignments and Exams are subject to change due to instructor discretion.

**COURSE SCHEDULE:** The following table contains the tentative course schedule. All material is subject to change at the instructor's discretion. Changes will be announced.

## Chapter Release Dates

### Assignments, Tests and Forums Due Dates

<p><b>Week 1 (August 25<sup>th</sup> – August 31<sup>st</sup>)</b></p>	<p><b><u>Chapter 1 An Overview of Nutrition</u></b></p> <p><b>Due by Sunday, August 31<sup>st</sup> at midnight:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Read Syllabus and watch Intro and Navigation videos.</li> <li><input type="checkbox"/> Put all Chapter deadlines in your phone calendar or physical calendar.</li> <li><input type="checkbox"/> Introduce Yourself Discussion Forum</li> <li><input type="checkbox"/> Read Chapter 1</li> <li><input type="checkbox"/> Chapter 1 Video Quiz – How Much Sodium (Salt) Per Day Do You Need?</li> <li><input type="checkbox"/> Ch 1 A Closer Look: The Food Environment and Food Choices</li> <li><input type="checkbox"/> Ch 1 Debunk the Junk – CLAIM Method</li> <li><input type="checkbox"/> Ch 1 Case Study: Reducing Disease Risk</li> <li><input type="checkbox"/> Chapter 1 Quiz – An Overview of Nutrition</li> </ul>
<p><b>Week 2 (September 2<sup>nd</sup> – September 7<sup>th</sup>)</b></p>	<p><b><u>Chapter 2 Planning a Healthy Diet</u></b></p> <p><b>Due by September 7<sup>th</sup> at midnight:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Three Day Food Record (NEEDS TO BE STARTED ON TUES, WED, OR THURS)</li> <li><input type="checkbox"/> Read Chapter 2</li> <li><input type="checkbox"/> Ch 2 Video Quiz: Reading a Food Label</li> <li><input type="checkbox"/> Ch 2 A Closer Look: Differences Among the Nutrition Standards and When to Use Them</li> <li><input type="checkbox"/> Ch 2 Debunk the Junk: Food Labels</li> <li><input type="checkbox"/> Ch 2 Case Study: Managing High Blood Pressure</li> <li><input type="checkbox"/> Chapter 2 Quiz – Planning a Healthy Diet</li> </ul>
<p><b>Week 3 (September 8<sup>th</sup> – September 14<sup>th</sup>)</b></p>	<p><b><u>Chapter 3 Digestion, Absorption, and Transport</u></b></p> <p><b>Due by September 14<sup>th</sup> at midnight:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Diet and Wellness Report (use your Three-Day Food Record)</li> <li><input type="checkbox"/> Read Chapter 3</li> <li><input type="checkbox"/> Ch 3 Video Quiz: Overview of the GI Tract</li> <li><input type="checkbox"/> Ch 3 A Closer Look: Physiology of Human Digestion and Absorption</li> <li><input type="checkbox"/> Ch 3 Debunk the Junk: Weight Loss Supplements</li> <li><input type="checkbox"/> Ch 3 Case Study: Managing GI Discomfort</li> <li><input type="checkbox"/> Ch 3 Quiz - Digestion, Absorption, and Transport</li> </ul>

<p><b>Week 4 (September 15<sup>th</sup> – September 21<sup>st</sup>)</b></p>	<p><b><u>Chapter 4 Carbohydrates: Sugar, Starch, and Fiber</u></b></p> <p><b>Due by September 21<sup>st</sup> at midnight:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Carbohydrate and Fiber Diet and Wellness Report</li> <li><input type="checkbox"/> Read Chapter 4</li> <li><input type="checkbox"/> Ch 4 Video Quiz: Carbohydrates Overview</li> <li><input type="checkbox"/> Ch 4 A Closer Look: Hormones and Glucose Levels</li> <li><input type="checkbox"/> Ch 4 Debunk the Junk: Are potatoes good for you?</li> <li><input type="checkbox"/> Ch 4 Case Study: Added Sugars and Lactose Intolerance</li> <li><input type="checkbox"/> Ch 4 Quiz - Carbohydrates: Sugar, Starch, and Fiber</li> </ul>
<p><b>Week 5 (September 22<sup>nd</sup> – September 28<sup>th</sup>)</b></p>	<p><b><u>Chapter 5 The Lipids: Triglycerides, Phospholipids, and Sterols</u></b></p> <p><b>Due by September 28<sup>th</sup> at midnight:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Fat and Cholesterol Diet and Wellness Report</li> <li><input type="checkbox"/> Read Chapter 5</li> <li><input type="checkbox"/> Ch 5 Video Quiz: Lipoproteins</li> <li><input type="checkbox"/> Ch 5 A Closer Look: Types and Functions of Lipids</li> <li><input type="checkbox"/> Ch 5 Debunk the Junk: Boost Metabolism</li> <li><input type="checkbox"/> Ch 5 Case Study: Heart Healthy Sandwich Choices</li> <li><input type="checkbox"/> Ch 5 Quiz - Triglycerides, Phospholipids, and Sterols</li> </ul>
<p><b>Week 6 (September 29<sup>th</sup> – October 5<sup>th</sup>)</b></p>	<p><b><u>Chapter 6 The Proteins: Amino Acids</u></b></p> <p><b>Due by October 5<sup>th</sup> at midnight:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Protein Diet and Wellness Report</li> <li><input type="checkbox"/> Read Chapter 6</li> <li><input type="checkbox"/> Ch 6 Video Quiz: Proteins Overview</li> <li><input type="checkbox"/> Ch 6 A Closer Look: Types of Amino Acids and the Importance of Proteins</li> <li><input type="checkbox"/> Ch 6 Debunk the Junk: Amino Acids Supplements</li> <li><input type="checkbox"/> Ch 6 Case Study: Protein Adequacy</li> <li><input type="checkbox"/> Ch 6 Quiz - The Proteins: Amino Acids</li> </ul>
<p><b>Week 7 (October 6<sup>th</sup> – October 12<sup>th</sup>)</b></p>	<p><b><u>Chapter 7 Energy Metabolism</u></b></p> <p><b>Due by October 12<sup>th</sup> at midnight:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Read Chapter 7</li> <li><input type="checkbox"/> Ch 7 Video Quiz: Metabolism Overview Part 1.</li> <li><input type="checkbox"/> Ch 7 A Closer Look: Energy Metabolism Pathways</li> <li><input type="checkbox"/> Ch 7 Debunk the Junk – Intermittent Fasting</li> <li><input type="checkbox"/> Ch 7 Case Study: Excessive Alcohol Use</li> <li><input type="checkbox"/> Ch 7 Quiz - Energy Metabolism</li> </ul>
<p><b>Week 8 (October 13<sup>th</sup> – October 19<sup>th</sup>)</b></p>	<p><b><u>Chapter 8 Energy Balance and Body Composition</u></b></p> <p><b>Due by October 19<sup>th</sup> at midnight:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Read Chapter 8</li> <li><input type="checkbox"/> Ch 8 Video Quiz – Body Roundness Index</li> <li><input type="checkbox"/> Ch 8 A Closer Look: Health Consequences of Excess Body Fat</li> <li><input type="checkbox"/> Ch 8 Debunk the Junk: Control Hunger?</li> <li><input type="checkbox"/> Ch 8 – Case Study: Improving Body Composition</li> <li><input type="checkbox"/> Ch 8 Quiz – Energy Balance and Body Composition</li> </ul>

<p><b>Week 9 (October 20<sup>th</sup> – October 26<sup>th</sup>)</b></p>	<p><b><u>Chapter 9 Body Weight and Health</u></b></p> <p><b>Due by October 26<sup>th</sup> at midnight:</b></p> <p><input type="checkbox"/> Read Chapter 9</p> <p><input type="checkbox"/> Ch 9 Video Quiz – The Weight of Stigma</p> <p><input type="checkbox"/> Ch 9 A Closer Look: Understanding Obesity Causes and Effective Treatment Strategies</p> <p><input type="checkbox"/> Ch 9 Debunk the Junk: Popular Diets</p> <p><input type="checkbox"/> Ch 9 Case Study: Healthy Approaches to Weight Loss</p> <p><input type="checkbox"/> Ch 9 Quiz – Body Weight and Health</p>
<p><b>Week 10 (October 27<sup>th</sup> – November 2<sup>nd</sup>)</b></p>	<p><b><u>Chapter 10 The Water-Soluble Vitamins: B Vitamins and Vitamin C</u></b></p> <p><b>Due by November 2<sup>nd</sup> at midnight:</b></p> <p><input type="checkbox"/> Read Chapter 10</p> <p><input type="checkbox"/> Ch 10 Video Quiz – The Best Vitamin to Keep your Brain Sharp</p> <p><input type="checkbox"/> A Closer Look: Comparing and Contrasting Water-Soluble vs Fat-Soluble Vitamins</p> <p><input type="checkbox"/> Ch 10 Debunk the Junk: Critique the Source</p> <p><input type="checkbox"/> Ch 10 – Case Study: Involuntary Weight Loss</p> <p><input type="checkbox"/> Ch 10 Quiz – The Water-Soluble Vitamins: B Vitamins and Vitamin C</p>
<p><b>Week 11 (November 3<sup>rd</sup> – November 9<sup>th</sup>)</b></p>	<p><b><u>Chapter 11 The Fat-Soluble Vitamins: A, D, E, and K</u></b></p> <p><b>Due by November 9<sup>th</sup> at midnight:</b></p> <p><input type="checkbox"/> Vitamin Diet and Wellness Report</p> <p><input type="checkbox"/> Read Chapter 11</p> <p><input type="checkbox"/> Ch 11 Video Quiz: Vitamin A</p> <p><input type="checkbox"/> Ch 11 A Closer Look: Fat-Soluble Vitamins and Vitamin D</p> <p><input type="checkbox"/> Ch 11 Debunk the Junk: Vitamin E Supplements</p> <p><input type="checkbox"/> Ch 11 Case Study: Fat-Soluble Vitamin Intakes</p> <p><input type="checkbox"/> Ch 11 Quiz - The Fat-Soluble Vitamins: A, D, E, and K</p>
<p><b>Week 12 (November 10<sup>th</sup> - November 16<sup>th</sup>)</b></p>	<p><b><u>Chapter 12 Water and the Major Minerals</u></b></p> <p><b>Due by November 16<sup>th</sup> at midnight:</b></p> <p><input type="checkbox"/> Read Chapter 12</p> <p><input type="checkbox"/> Ch 12 Video Tutor Quiz: Calcium</p> <p><input type="checkbox"/> Ch 12 A Closer Look: The Role of Water in Health, Water Sources, and Water Safety.</p> <p><input type="checkbox"/> Ch 12 Debunk the Junk: Magnesium Deficient?</p> <p><input type="checkbox"/> Ch 12 Case Study: Fluid and Calcium for a Young Athlete</p> <p><input type="checkbox"/> Ch 12 Quiz – Water and the Major Minerals</p>



<p><b>Week 13 (November 17<sup>th</sup> - November 23<sup>rd</sup>)</b></p>	<p><b><u>Chapter 13 The Trace Minerals</u></b></p> <p><b>Due by November 23<sup>rd</sup> at midnight:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Mineral Diet and Wellness Report</li> <li><input type="checkbox"/> Read Chapter 13</li> <li><input type="checkbox"/> Ch 13 Video Quiz: Iron</li> <li><input type="checkbox"/> Ch 13 A Closer Look: Trace Minerals and Their Deficiency Symptoms</li> <li><input type="checkbox"/> Ch 13 Debunk the Junk: Supplements</li> <li><input type="checkbox"/> Ch 13 Case Study: The Trace Mineral Deficiencies</li> <li><input type="checkbox"/> Ch 13 Quiz – The Trace Minerals</li> </ul>
<p><b>Week 14 (November 24<sup>th</sup> – November 30<sup>th</sup>)</b></p>	<p><b><u>Chapter 14 Physical Activity, Nutrients, and Body Adaptations</u></b></p> <p><b>Due by November 30<sup>th</sup> at midnight:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Read Chapter 14</li> <li><input type="checkbox"/> Ch 14 Video Quiz – Exercise is Medicine</li> <li><input type="checkbox"/> Ch 14 A Closer Look: Functions of Muscles and Their Role in Health and Energy Needs of Athletes</li> <li><input type="checkbox"/> Ch 14 Debunk the Junk: Decipher Fact from Fiction</li> <li><input type="checkbox"/> Ch 14 Case Study: Energy Gel Evaluation</li> <li><input type="checkbox"/> Ch 14 Quiz - Physical Activity, Nutrients, and Body Adaptations</li> </ul>
<p><b>Week 15 (December 1<sup>st</sup> – December 7<sup>th</sup>)</b></p>	<p><b><u>Chapter 18 Disease Prevention</u></b></p> <p><b>Due by December 7<sup>th</sup> at midnight:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Read Chapter 18</li> <li><input type="checkbox"/> Ch 18 Video Quiz – Dietitian-Approved Foods to Support Your Gut and Heart Health</li> <li><input type="checkbox"/> Ch 18 A Closer Look: The Role of Nutrition in Disease, Specifically Heart Disease</li> <li><input type="checkbox"/> Ch 18 Debunk the Junk: Immune Supplements</li> <li><input type="checkbox"/> Ch 18 Case Study: Diets for Disease Prevention</li> <li><input type="checkbox"/> Ch 18 Quiz – Disease Prevention</li> </ul>
<p><b>Week 16 (December 9<sup>th</sup>)</b></p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Final/Chapters 1-13, 14, 18.</li> </ul> <p><b>Comprehensive/100 questions, one attempt.</b></p> <p><b>2.5 hours to complete.</b></p> <p><b>Due on Tuesday, December 9<sup>th</sup> by midnight.</b></p>