



BIOL-1322-00412
Nutrition and Diet Therapy
Fall 2025 Online

Instructor Information: Courtney Tucker, ctucker6@com.edu

Student hours and location: Virtual Student Hours: 5-6pm Monday, by appointment. I will be available to meet with you through Microsoft Teams, contact me the week prior via email to schedule the meeting.

Required Textbook/Materials: JS Blake Nutrition & You (6th edition) e-text with Modified MasteringNutrition. Pearson. ISBN: 9780137701858 Note: The e-book and Modified MasteringNutrition are purchased at the time of registration, and you will gain access to the online materials once you are in Brightspace/D2L when classes begin. Required Online Resources: COM Brightspace/D2L: <http://com.brightspace.com>. COM Brightspace/D2L will be used for online activities and more. All class resources are available through Brightspace/D2L. Modified Mastering Nutrition with eText - Login will be completed through Brightspace/D2L. You will have several assignments on MasteringNutrition for each topic covered. An inexpensive calculator (cannot use cell phones or other devices for calculations)

Course Description: This course introduces general nutritional concepts in health and disease and includes practical applications of that knowledge. Special emphasis is given to nutrients and nutritional processes including functions, food sources, digestion, absorption, and metabolism. Food safety, availability, and nutritional information including food labels, advertising, and nationally established guidelines are addressed.

Course requirements:

1. MasteringNutrition - you will have numerous assignments within MasteringNutrition.
2. Diet Analysis Project - The Diet Analysis Project is a multi-part project that provides experience with documenting diets, analyzing diets, modifying diets, and teamwork through case-studies and self-analysis. There are two parts in the case-study project and two parts in the self-study project of the Diet Analysis Project. More details are provided in Brightspace/D2L.

WARNING: Each part of the project depends on the successful completion of the previous part. As such, each part of the project is only available after successful completion of the preceding part. If you fail to successfully complete any part, you will not locate subsequent parts because they are unavailable. In effect, you have failed the subsequent parts of the assignment and forfeited those points.

For the case-study project you will:

1. Complete the MyDietAnalysis Case Study: Nadia and Laurie-Similar Needs and Different Intakes (10 points) The first assessment, the MyDietAnalysis Case-study Questions, involves entering data into MyDietAnalysis and analyzing information for Nadia and Laurie to answer questions in MasteringNutrition.

2. Participate in a group analysis and make recommendations for both Laurie and Nadia. (50 points) The second assessment in the case-study project is the Case-study Group Analysis and Recommendations. Using discussion, the group should arrive at consensus recommendations to the questions from the assignment.

For the self-analysis part of the project, you will:

1. Create a Three-day Average Report from a food log in MyDietAnalysis and answer intro questions. (20 points) The first assessment for the self-study project involves generating a report of your diet for three days by entering the information from your journal into MyDietAnalysis through Mastering Nutrition. This assignment is found in MasteringNutrition and named MyDietAnalysis 3-Day Food Record and Personalized Dietary Analysis: An Introduction. Each student will create a three-day diet journal that:

1. Provides a detailed description of the foods and beverages (including water) consumed (e.g., brand, composition, etc.).
2. Provides the portion of foods eaten and beverages consumed (e.g., grams, ounces, cups, etc.)
3. Provides the meal when the food and the beverage was consumed (e.g., breakfast, lunch, dinner, or snack).
4. Create a personal profile in MyDietAnalysis.
5. Use the journal entries to enter the foods eaten and beverages imbibed into software
6. Answer the questions in the MasteringNutrition assignment

2. Analyze the results from the Three-day Average Report. (80 points) The information needed to generate your Three-day Average Report is obtained from your diet journal entries. For the second assessment in the self-study project, you will answer questions in Mastering Nutrition related to specific nutritional aspects of your diet from information generated in the report or from information in your textbook. The answers to the questions depend on the information from your Diet Analysis Self-study 3-day Average Report.

Determination of Course Grade/Detailed Grading Formula:

1. Exams (400 points) - There will be four exams (100 points each) given during the semester. The tests are composed of calculation, matching, multiple choice, true/false, and short-answer style questions.

2. Final Exam (150 points) - At the end of the semester, a comprehensive Final exam will be given that covers all of the material from the course. Questions will consist of calculations, matching, multiple choice, true/false, and short answer style questions.

3. Diet Analysis Project (160 points) - The Diet Analysis Project is a two-part project that provides experience with documenting diets, analyzing diets, modifying diets, and teamwork through casestudies and self-analysis.

4. Mastering Nutrition Chapter Activity (140 points) - each chapter has an associated Mastering activity worth 10 points.

5. Weekly Class Activities/Responses to Classmates (150 points) - various assignments will be provided in class throughout the semester

Late Work, Make-Up, and Extra-Credit Policy: Any deviations from the policies described below is at the sole discretion of the instructor.

Late Work Policy: In those rare cases, there can be a deadline extension after the initial deadline. After the extended deadline has passed, the assignment is closed, and the link may be removed. Expect that no additional time will be provided.

- Chapter Quizzes have an extended deadline that results in a 10% loss of points for the late assignment. After missing the initial deadline, the maximum grade is 90%. The extended deadlines are listed in the course outline. Please use the course outline to help schedule your time for the course to assure that you meet the assignment and assessment deadlines.

- Exams and the Diet Analysis Project are an exception and have no extended deadline.

- Lecture Exams: Your situation will be evaluated by your instructor, and you may be allowed to take a make-up exam. Make-up exams will be allowed for a death in the family or a documented student illness. You must provide legitimate proof for your excuse in the case of missing an exam. The make-up exam **MUST** be taken within one week of the original exam date. Missed exams will not be allowed without documented evidence.

Extra-Credit Policy: During the semester there will be ONE opportunity for extra credit. Students are responsible for submitting any extra credit work by the due date and no late work for extra credit will be accepted. Extra credit is optional.

Grading Formula:

- * Exams 400 Points

- * Final Exam 150 Points

- * Diet Analysis Project 160 Points

- * MasteringNutrition Chapter Activities 140 Points

- *Weekly Class Activities/Responses to Classmates 150 Points

Total Possible Points 1000 Points

Grading Scale: Final grades assigned for this course will be based on total points earned and are assigned as follows:

Letter Grade Grade Average:

A 89.5% - 100%
 B 79.5% - 89.4%
 C 69.5% - 79.4%
 D 59.5% - 69.4%
 F0-59.4%

Attendance Policy: Online students must log in and attend their course materials at least twice a week. All course materials and assignments will be posted on Brightspace/D2L, but it is your responsibility to access and complete all assignments within the corresponding week assigned.

Communicating with your instructor: ALL electronic communication with the instructor must be through your COM email. Due to FERPA restrictions, faculty cannot share any information about performance in the class through other electronic means. Please allow up to 24hr response time during weekdays and up to 48hr response time during weekends.

Student Learner Outcome	Assessed via this Assignment
1. apply nutritional knowledge to analyze personal dietary intakes for the ROI	Exams/projects/weekly chapter activities/response to classmates
2. Trace the pathways and processes that occur in the body to handle nutrients, understand different energy systems through consumption, digestion, absorption, transport, metabolism, storage and waste excretion and relate them to fitness and health.	Exams/projects/weekly chapter activities/response to classmates
3. Discuss functions, sources, deficiencies, and toxicities of macro-and micronutrients, including carbohydrates, lipids, proteins, water, vitamins, and minerals.	Exams/projects/weekly chapter activities/response to classmates
4. Apply the concept of energy balance and its influences at the physical, emotional, societal, and cellular level to evaluate advantages and disadvantages of various methods used to correct energy imbalances.	Exams/projects/weekly chapter activities/response to classmates
5. Describe health and disease issues related to nutrition throughout the life cycle, including food safety, corrective dietary modifications, and the influence of specific nutrients on diseases.	Exams/projects/weekly chapter activities/response to classmates

Academic Dishonesty: Academic Dishonesty: Any incident of academic policy will be dealt with in accordance with college policy and the Student Handbook. Academic dishonesty - such as cheating on exams is an extremely serious offense and will result in a grade of zero on that exam and the student will be referred to the Office of Student Conduct for appropriate discipline action.

Plagiarism: is using someone else's words or ideas and claiming them as your own. Plagiarism is a profoundly serious offense. Plagiarism includes paraphrasing someone else's words without giving proper citation, copying directly from a website, and pasting it into your paper, using someone else's words without quotation marks. Any assignment containing any plagiarized material will receive a grade of ZERO and the student will be referred to the Office of Student

Conduct for appropriate discipline action. Link(s) to resource(s) about avoiding plagiarism: <https://owl.english.purdue.edu/owl/resource/589/01/>

Student Concerns: If you have any questions or concerns about any aspect of this course, please contact me using the contact information previously provided. If, after discussing your concern with me, you continue to have questions, please contact Department Chair of Science and Engineering, Sheena Abernathy at (409)833-8244 or sabernathy@com.edu.

Classroom Conduct Policy: College of the Mainland requires that students enrolled at COM be familiar with the Standards of Student Conduct, which can be found in the on-line Student Handbook. <http://www.com.edu/student-services/student-handbook.php>. Students should always act professionally. Disruptive students will be held accountable according to college policy. Any violations of the Code of Conduct will result in a referral to the Office for student Conduct and may result in dismissal from this class.

Behavioral Expectations: Each student is entitled to an environment conducive to learning. Any situation that prevents students from learning or the instructor from teaching is a disruption. College of the Mainland requires that students enrolled at COM be familiar with the Standards of Student Conduct, which can be found in the on-line Student Handbook. <http://www.com.edu/student-services/student-handbook.php>. Students are expected to be familiar with and abide by the Student Code of Conduct. Any violations of the Code of Conduct will result in a referral to the Dean of Students and may result in dismissal from this class.

Please be respectful of your fellow students and the instructor by adhering to the following:

1. **Cell phones:** During exams, no electronics will be allowed out. Items not allowed include cell phones, laptops, tablets, ear buds, headphones, and other smart devices. If the student has any of these devices out during an exam, the exam will be taken from the student, and they will receive a zero for that exam.

2. **Disrespectful Behavior:** Students can be removed from the class if they are exhibiting disruptive/disrespectful behavior or online responses to others as deemed by the instructor. Repeated incidents will result in automatic withdrawal from the class. Students who display this conduct will be removed from the class and a Conduct Referral Form may be submitted to the Dean of Students.

Course outline

Tentative Course Outline:

Week Date Topic/Chapter Reading Due Dates for Activities/Assignment(s) are due by 11:59PM at the end of the week, Friday. No classwork will be due on the weekends.

All assignments are due by Friday of the corresponding week unless otherwise noted below. All items during Week 8 are due by Wednesday.

WEEK 1:

- Chapter 1 - What is Nutrition?
- Introduction to Mastering Nutrition & How DSMs (Dynamic Study Modules) Work
- About Me - Discussion Board Due
- Nutritional Self-Assessment Due
- Chapter 1 Mastering Nutrition Activity Due
- Chapter 2 - Tools for Healthy Eating
- Chapter 2 Mastering Nutrition Activity Due

WEEK2:

- Chapter 3 - The Basics of Digestion
- Chapter 3 Mastering Nutrition Activity Due
- EXAM 1 (Ch. 1-3)
- Chapter 4 - Carbohydrates: Sugars, Starches, Fiber
- Chapter 4 Mastering Nutrition Activity Due

WEEK3:

- Chapter 5 - Fats, Oils, and Other Lipids
- Chapter 5 Mastering Nutrition Activity Due
- Chapter 6 - Proteins and Amino Acids
- Chapter 6 Mastering Nutrition Activity Due
- Diet Analysis Project Case-Study Part 1 Due
- EXAM 2 (Ch. 4-6)

WEEK4:

- Chapter 7 - Vitamins
- Chapter 7 Mastering Nutrition Activity Due
- Multivitamin Supplements - Discussion Board Due
- Chapter 8 - Minerals and Water
- Chapter 8 Mastering Nutrition Activity Due
- Diet Analysis Project Case-Study Part 2 Group Discussion Questions Due

WEEKS:

- Chapter 9 - Alcohol
- Diet Analysis Project Self-Study Part 1 Due
- Chapter 9 Mastering Nutrition Activities Due
- Chapter 10 - Weight Management and Energy Balance
- Chapter 10 Mastering Nutrition Activity Due
- EXAM 3 (Ch. 7-10)

WEEK6:

- Chapter 11 - Nutrition and Fitness
- Chapter 11 Mastering Nutrition Activity Due
- Chapter 12 - Consumerism and Sustainability: Food from Farm to Table
- Chapter 12 - Mastering Nutrition Activity Due
- Diet Analysis Project Self-Study Part 2 Due

WEEK 7:

Chapter 13 - Food Safety and Technology
Chapter 14 - Life Cycle Nutrition: Pregnancy through Infancy
Chapter 14 Mastering Nutrition Activity Due
Chapter 15 - Life Cycle Nutrition: Toddlers through the Later Years
Chapter 15 Mastering Nutrition Activity Due
EXAM 4 (Ch 11-15)
Final Exam Review (available since the beginning of the course)

WEEK 8: **All Week 8 items are Due by 11:59 pm on December 3rd, (Wednesday)**

EXTRA CREDIT (optional): Chapter 16 - Hunger at Home, Abroad & Food Insecurity
FINAL EXAM Due by 11:59pm December 3rd, (Wednesday)

Institutional Policies and Guidelines:

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Grade Appeal Process:

Concerns about the accuracy of grades should first be discussed with the instructor. A request for a change of grade is a formal request and must be made within six months of the grade assignment. Directions for filing an appeal can be found in the student handbook <https://www.com.edu/student-services/student-handbook.html>. An appeal will not be considered because of general dissatisfaction with a grade, penalty, or outcome of a course. Disagreement with the instructor's professional judgment of the quality of the student's work and performance is also not an admissible basis for a grade appeal.

Academic Success & Support Services:

College of the Mainland is committed to providing students the necessary support and tools for success in their college careers. Support is offered through our Tutoring Services, Library, Counseling, and through Student Services. Please discuss any concerns with your faculty or an advisor.

ADA Statement:

Any student with a documented disability needing academic accommodation is requested to contact:

Kimberly Lachney, Student Accessibility Services Coordinator

Phone: 409-933-8919

Email: AccessibilityServices@com.edu

Location: COM Doyle Family Administration Building, Student Success Center

Textbook Purchasing Statement:

A student attending College of the Mainland is not under any obligation to purchase a textbook from the college-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

Withdrawal Policy:

Students may withdraw from this course for any reason prior to the last eligible day for a "W" grade. Before withdrawing students should speak with the instructor and consult an advisor. Students are permitted to withdraw only six times during their college career by state law. The last date to withdraw from the 1st 8-week session is October 1. The last date to withdraw from the 16-week session is November 14. The last date to withdraw for the 2nd 8-week session is November 25.

FN Grading:

The FN grade is issued in cases of failure due to a lack of attendance, as determined by the instructor. The FN grade may be issued for cases in which the student ceases or fails to attend class, submit assignments, or participate in required capacities, and for which the student has failed to withdraw. The issuing of the FN grade is at the discretion of the instructor. The last date of attendance should be documented for submission of an FN grade.

Early Alert Program:

The Student Success Center at College of the Mainland has implemented an Early Alert Program because student success and retention are very important to us. I have been asked to refer students to the program throughout the semester if they are having difficulty completing assignments or have poor attendance. If you are referred to the Early Alert Program you will be contacted by someone in the Student Success Center who will schedule a meeting with you to see what assistance they can offer in order for you to meet your academic goals.

Resources to Help with Stress:

If you are experiencing stress or anxiety about your daily living needs including food, housing or just feel you could benefit from free resources to help you through a difficult time, please click here <https://www.com.edu/community-resource-center/>. College of the Mainland has partnered with free community resources to help you stay on track with your schoolwork, by addressing life issues that get in the way of doing your best in school. All services are private and confidential. You may also contact the Dean of Students office at deanofstudents@com.edu or communityresources@com.edu.

Nondiscrimination Statement:

The College District prohibits discrimination, including harassment, against any individual on the basis of race, color, religion, national origin, age, veteran status, disability, sex, sexual orientation, gender (including gender identity and gender expression), or any other basis prohibited by law. Retaliation against anyone involved in the complaint process is a violation of College District policy.