

**HUN 4446  
NUTRITION AND DISEASE - PART 2  
(12942, Section 1118)  
Spring 2024**



**Instructor:** Cora Best, PhD, RDN  
**Department:** Food Science & Human Nutrition (FSHN)  
**Office:** FSHN Building, Room 449  
**Phone:** 352-294-3751  
**Email:** [corabest@ufl.edu](mailto:corabest@ufl.edu)  
**Office hours:** Mondays from 3:30-5:00 PM via Zoom (see Canvas for link)  
If you cannot attend these hours, please email Dr. Best through Canvas for individual appointments.

**Teaching assistant:** Xinran Hu  
**Email:** [Hu.X@ufl.edu](mailto:Hu.X@ufl.edu)  
**Office hours:** By appointment if you cannot meet with Dr. Best  
**Location:** Zoom

**Class meeting times:** Tuesday, Periods 5 - 6 (11:45 AM - 1:40 PM) &  
Thursday, Period 6 (12:50 PM - 1:40 PM)  
**Attendance:** Required  
**Location:** Mechanical & Aerospace Eng B (MAEB), Room 0211  
**Credits:** Three (3)

**Course Description:** Part two of the sequence that focuses on the biochemical and pathophysiological bases of diseases/conditions that require nutrition support/medical nutrition therapy

**Prerequisites:** HUN 4445 and (BCH 3025 or BCH 4024) and (PCB 4723C or APK 2105C)

**Course Goals/Competencies:** Upon completion of this course, students should be able to:

1. Describe the risk factors, etiology, symptoms, clinical findings, and pathophysiology associated with diseases/conditions covered in this course.
2. Describe the diagnostic tests/procedures and the intervention strategies used for the diseases/conditions covered in this course.
3. Evaluate the impact of selected food/nutrient-drug interactions on nutritional status/drug efficacy and recommend appropriate intervention strategies.
4. Relate the theoretical bases for nutrition/medical intervention strategies with the anatomical, physiological, and/or biochemical changes that occur in diseases/conditions covered in this course.
5. Identify appropriate recommendations for the management of patients with diseases/conditions covered in this course.

**Required Materials:**

- Smartphone/iPhone/laptop/iPad/tablet that is compatible with the i>Clicker© REEF student app. <https://at.ufl.edu/service-teams/classrooms/classroom-technology/iclicker-response-system/>
- Course information and materials posted on Canvas.

**Recommended Materials:**

- *Nutrition Therapy and Pathophysiology* (4th edition) by Nelms and Sucher, 2016.  
Two physical copies available (2-hour loan period) through Marston Science Library course reserves.

### How to Access eLearning/Canvas:

- Access requires a Gatorlink account. If you need to establish a Gatorlink account, go to <http://www.gatorlink.ufl.edu/>.
- Once you have created a Gatorlink account, access e-Learning support services home page at <http://lss.at.ufl.edu>. Select “Log in to e-Learning”. Log in using your Gatorlink ID. HUN 4446 will be listed under “courses”. If you are unfamiliar with Canvas, information can be found under the “help” tab.

**Class Attendance and Demeanor:** Students are expected to attend all classes, to bring a device to every class to participate using iClicker REEF, to arrive on time, and to leave when dismissed by the instructor. Students are expected to show courtesy to their classmates and instructor by muting electronic devices and not using a computer or any other electronic device for any purpose other than taking notes, viewing PowerPoint slides being discussed in class, or answering questions with the iClicker app. Students also are expected to refrain from engaging in personal conversations during class.

**Attendance and Make-Up Work:** Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies. Click here to read the university attendance policies. <https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/>

**Student Evaluation:** Two tests, a final exam, two assignments, in class participation, and 4 online quizzes will be used to evaluate student performance. Tests/exams and quizzes must be taken as scheduled. University approved activities that conflict with exams should be brought to the instructor’s attention in advance and documented so that alternative arrangements can be made. An unexcused absence from a test will result in a score of “0” unless there are unavoidable extenuating circumstances (subject to instructor’s discretion) that can be documented. Extenuating circumstances include unavoidable, unplanned situations such as illness (chart note from physician or clinic; vague notes such as “was seen” are not acceptable); family death (dated obituary); accident (police report); etc. Failure to complete a quiz within the time frame allowed will result in a grade of “0”. Extra credit projects will **NOT** be available.

**Exams:** There will be three (3) exams valued equally at 100 points each including the final exam, which will be cumulative. All exams will consist of multiple-choice, true/false, matching, and possibly short answer questions. Non-programmable calculators (simple or scientific) and scratch paper will be allowed.

**Assignments:** There will be two (2) take-home assignments throughout the semester. Assignments with detailed instructions will be posted to Canvas. These assignments will contribute 50 points each to your final course grade. Please be aware that due dates may be adjusted as needed based on lecture schedule. Also, keep a backup copy of your assignments if it becomes lost due to technical failures. **ASSIGNMENTS MUST BE COMPLETED INDEPENDENTLY AND SUBMITTED THROUGH CANVAS.** Assignments that appear too similar will be formally evaluated for evidence of academic misconduct.

**Quizzes:** Quizzes will be administered through Canvas. They will be available for 24 hours for you to take **from 7:00 AM until 7:00 AM the following day**. You will have **30 minutes to complete each quiz** beginning from the time you open the quiz. You will have access to four (4) quizzes, and the lowest quiz score (or missed quiz) will be dropped. The questions used for the quizzes are similar in format and style to those used on the exams.

**In-Class Participation:** In-class participation will be evaluated using iClicker REEF via your personal electronic device.

- We will practice using the iClicker app during the first few class periods. Responses will count toward your final grade **beginning January 16, 2024**.
- Questions asked during class may include material just covered in class, material covered from previous lectures, and opinion questions or other types of “informational” questions.
- Content questions will be graded, with partial credit given for incorrect answers.
- Questions may be asked at any point during the class, and on some days, more than one question may be asked. You will be given a set amount of time to respond, but once the “polling time” has ended, it will not be possible to register your response. Arrive to class on time and have your device with you and ready to use.

- A total of 55 points for the semester will be considered a perfect “in-class participation” score. To allow for technical problems, unexcused absences, etc., 65 points participation points will be offered during the semester (**starting on January 16** forward). Points earned beyond the number needed for a perfect “in-class participation” score (i.e., 55 points) will count as bonus points toward your final grade. This means that you can earn at least 10 bonus points, in addition to the 2 bonus points offered in exchange for completing and submitting an electronic version of your student information card (follow directions provided in Canvas).
- **Please note:** You are on your honor (see UF Academic Honesty Policy below) to register responses only for yourself. **Registering responses for someone else or having someone else register responses for you is a form of cheating.** If you are caught cheating the system, you and the other party(ies) involved will, at a minimum, forfeit all your participation points for the semester, and you could be prosecuted through the Student Honor Court.

### Evaluation of Performance/Grades and Grade Points

For information on current UF policies for assigning grade points, see <https://catalog.ufl.edu/UGRD/academic-regulations/grades-grading-policies/>.

#### GRADING:

Exams:	Possible Points
Exam 1	100
Exam 2	100
Cumulative Final Exam	100
Assignments:	
Assignment 1	50
Assignment 2	50
Quizzes:	
3 Quizzes (15 points each)	45
Participation	55
<b>TOTAL</b>	<b>500</b>

Final Grade	% of points		Final Grade	% of points
A	93 - 100		C	73 - 76
A-	90 - 92		C-	70 - 72
B+	87 - 89		D+	67 - 69
B	83 - 86		D	63 - 66
B-	80 - 82		D-	60 - 62
C+	77 - 79		E (Failed)	<60

**Grades will be posted on e-Learning in Canvas. Please check your grades regularly throughout the course. Final grades are not curved and not negotiable.**

#### Online Course Evaluation Process

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

## **Academic Honesty**

As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following pledge: "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity." You are expected to exhibit behavior consistent with this commitment to the UF academic community. On all work submitted for credit at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment". It is assumed that you will complete all work independently in each course unless the instructor provides explicit permission for you to collaborate on course assessments. Furthermore, as part of your obligation to uphold the Honor Code, you should report any condition that facilitates academic misconduct to appropriate personnel. It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action. For more information regarding the Student Honor Code, please see: <http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code>.

**Software Use:** All faculty, staff and students of the university are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against university policies and rules, disciplinary action will be taken as appropriate.

**Services for Students with Disabilities:** Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the Disability Resource Center. To get started with the Disability Resource Center: <https://disability.ufl.edu/get-started/> It is important for students to share their accommodation letter with their instructor and discuss their access needs as early as possible in the semester.

**Campus Helping Resources:** Students experiencing crises or personal problems that interfere with their general wellbeing are encouraged to utilize the university's counseling resources. The Counseling & Wellness Center provides confidential counseling services at no cost for currently enrolled students. Resources are available on campus for students having personal problems or lacking clear career or academic goals, which can interfere with their academic performance.

Resources are available on campus for students having personal problems or lacking clear career or academic goals, which interfere with their academic performance.

- **University Counseling & Wellness Center** 352-392-1575, <https://counseling.ufl.edu/>  
Counseling Services, Groups and Workshops, Outreach and Consultation, Self-Help Library, Wellness Coaching.
- **U Matter We Care**, If you or someone you know is in distress, please contact 352-294-2273 or visit <https://umatter.ufl.edu> to refer or report a concern and a team member will reach out to the student in distress.
- **Student Health Care Center**, Call 352-392-1161 for information to help you find the care you need, or visit [www.shcc.ufl.edu/](http://www.shcc.ufl.edu/).
- **University Police Department**, Visit [www.police.ufl.edu/](http://www.police.ufl.edu/) or call 352-392-1111 (or 9-1-1 for emergencies).
- **UF Health Shands Emergency Room / Trauma Center**. For immediate medical care call 352-733-0111 or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32608; Visit the website. <https://ufhealth.org/locations/uf-health-shands-emergency-room-trauma-center>
- **GatorWell Health Promotion Services**, For prevention services focused on optimal wellbeing, including Wellness Coaching for Academic Success, visit the GatorWell website or call 352-273-4450.
- **Field and Fork Food Pantry**, located behind the FSHN Bldg (520 Newell Dr) is available to assist members of the campus community who experience food insecurity.

- **E-learning technical support**, Contact the UF Computing Help Desk at 352-392-4357 or via e-mail at [helpdesk@ufl.edu](mailto:helpdesk@ufl.edu).
- **Teaching Center**, Broward Hall, 352-392-2010 or to make an appointment 352- 392-6420. General study skills and tutoring.
- **Writing Studio**, 2215 Turlington Hall, 352-846-1138. Help brainstorming, formatting, and writing papers.
- **Libraries**, <http://cms.uflib.ufl.edu/ask>. Receive assistance with respect to using the libraries or finding resources.
- **Career Connections Center**, First Floor JWRU, 352-392-1601, <https://career.ufl.edu/>
- **Student Success Initiative**, <http://studentsuccess.ufl.edu>
- **Student complaints**, Residential Course: <https://sccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/>. Online Course: <http://www.distance.ufl.edu/student-complaint-process>

**Instructor-Initiated Recording of Class:** If there is a need for our class to be held over Zoom or similar platform, then our class sessions may be audio visually recorded for students in the class to review and for enrolled students who are unable to attend live. Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who unmute during class and participate orally are agreeing to have their voices recorded. If you will not consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live. The chat will not be recorded or shared. As in all courses, unauthorized recording and unauthorized sharing of recorded materials is prohibited. Note, this is an in-person class, and this is not expected to be applicable.

**In-class Recording by Students:** Students are allowed to record video or audio of class lectures. However, the purposes for which these recordings may be used are strictly controlled. The only allowable purposes are (1) for personal educational use, (2) in connection with a complaint to the university, or (3) as evidence in, or in preparation for, a criminal or civil proceeding. All other purposes are prohibited. Specifically, students may not publish recorded lectures without the written consent of the instructor. A "class lecture" is an educational presentation intended to inform or teach enrolled students about a particular subject, including any instructor-led discussions that form part of the presentation, and delivered by any instructor hired or appointed by the University, as part of a University of Florida course. A class lecture does not include lab sessions, student presentations, clinical presentations such as patient history, academic exercises involving solely student participation, assessments (quizzes, tests, exams), field trips, private conversations between students in the class or between a student and the faculty or lecturer during a class session.

Publication without instructor permission is prohibited. To "publish" means to share, transmit, circulate, distribute, or provide access to a recording, regardless of format or medium, to another person (or persons), including but not limited to another student within the same class section. Additionally, a recording, or transcript of a recording, is published if it is posted on or uploaded to, in whole or in part, any media platform, including but not limited to social media, book, magazine, newspaper, leaflet, or third-party note/tutoring services. **A student who publishes a recording without written consent may be subject to a civil cause of action and/or discipline under UF Regulation 4.040 Student Honor Code and Student Conduct Code.**

**Other Information:** Lecture material and information are the property of the University of Florida and the course instructor and may not be used for any commercial purpose. Students found in violation may be subject to disciplinary action under the University's Student Conduct Code. Only students formally registered for the course are permitted to attend lectures and take quizzes/tests.

### Spring 2024 Tentative Class Schedule\*

DATE	TOPIC	ASSESSMENT
Week 1 (1/8 – 1/13)	Course introduction; Diseases/disorders of the upper gastrointestinal (GI) tract  <i>Drop/Add period</i>	
Week 2 (1/15 – 1/20)	Diseases/disorders of the upper GI tract  <i>Participation points start counting this week</i>	Info card due on Tue. 1/16
Week 3 (1/22 – 1/27)	Diseases/disorders of the upper GI tract; Diseases/disorders of the lower GI tract	Online quiz 1 open on Wed. 1/24
Week 4 (1/29 – 2/3)	Diseases/disorders of the lower GI tract	
Week 5 (2/5 – 2/10)	Diseases/disorders of the lower GI tract	Exam 1 on Thu. 2/8
Week 6 (2/12 – 2/17)	Liver diseases; Diseases of the Gallbladder and Pancreas	
Week 7 (2/19 – 2/24)	Diseases of the Gallbladder and Pancreas; Diabetes mellitus	Online quiz 2 open on Fri. 2/23
Week 8 (2/26 – 3/2)	Diabetes mellitus	Assignment 1 due on Fri. 3/1
Week 9 (3/4 – 3/9)	Diabetes mellitus; Cardiovascular disease and hypertension	
Week 10 (3/11 – 3/16)	UF spring break - no class this week	
Week 11 (3/18 – 3/23)	Cardiovascular disease and hypertension	Online quiz 3 open on Mon. 3/18
Week 12 (3/25 – 3/30)	Cardiovascular disease and hypertension	Exam 2 on Thu. 3/29
Week 13 (4/1 – 4/6)	Kidney disease	
Week 14 (4/8 – 4/13)	Kidney disease	Assignment 2 due on Wed. 4/10
Week 15 (4/15 – 4/20)	Obesity & cardiovascular-kidney-metabolic syndrome	
Week 16 (4/22 – 4/27)	Obesity & cardiovascular-kidney-metabolic syndrome  <i>Last day of lecture is 4/23. Reading period begins on 4/25.</i>	Online quiz 4 open on Mon. 4/22
<b>Final Exam is May 3 (5/3) from 12:30 – 2:30 PM</b>		

\*Subject to change.