



Nutrition & Diet Therapy-12436

BIOL-1322

S2 2021 Section 0015 3 Credits 07/12/2021 to 08/15/2021 Modified 06/27/2021

Course Meetings

Meeting Days

Online Anytime

Meeting Times

Online Anytime

Meeting Location

Online/Virtual

Instructional Mode

WW

The course modality of this class is *online Anytime*.

Faculty will instruct this class as a traditional online course utilizing Canvas Eagle Online.

Attendance will be taken through completion of online assignments.

Welcome and Instructor Information

Faculty/Instructor: Dr. Renu Jain

Email: renu.jain@hccs.edu

Office: 713-718-2537

What's Exciting About This Course

This is a basic 3 hour course introducing general nutritional concepts in health and disease and includes practical application of that knowledge. Special emphasis is given to nutrients and nutritional processes including function, food sources, digestion, absorption, and metabolism. Food safety, availability, and nutritional information including food labels, advertising, and nationally established guidelines are addressed.

My Personal Welcome

Welcome to Nutrition and Diet Therapy—I'm delighted that you have chosen this course! I will present the information in the most exciting way I know, so that you can grasp the concepts and apply them now and hopefully throughout your life.

As you read and wrestle with new ideas and facts that may challenge you, I am available to support you. The fastest way to reach me is by my HCC email. My goal is for you to walk out of the course with a better understanding of yourself and of human behavior. So please visit me or contact me by email whenever you have a question.

Preferred Method of Contact

The quickest way to get a response is to email me THROUGH Eagle Online CANVAS (click on the inbox icon in the left menu followed by the write icon) as opposed to sending an email directly to renu.jain@hccs.edu. I will respond to emails within 24-48 hours Monday through Friday; I will reply to weekend messages during the following week.

Office Hours

Monday, Tuesday, Wednesday, Thursday, 9:30 AM to 10:45 AM

Course Overview

Course Description

Credits: 3 (3 lecture). A course designed to teach the fundamentals of nutrition based on basic nutrition principles. Scientific standard recommendations of levels of nutrient intake for a healthy population are discussed. Sources and functions of carbohydrates, proteins, fats, vitamins and minerals are also studied. (cross listed with HECO 1322). This course satisfies the Life and Physical Sciences or Component Area Option of the HCC core.

Requisites

Prerequisite: Must be placed into college-level reading (or take GUST 0342 as a corequisite) and be placed into college-level writing (or take ENGL 0310/0349 as a corequisite).

Department Website

<https://www.hccs.edu/programs/areas-of-study/science-technology-engineering--math/biology/>

Core Curriculum Objectives (CCOs)

BIOL 1322 satisfies the Natural Science requirement in the HCCS core curriculum. The HCCS Biology Discipline Committee has specified that the course address the following core objectives:

- **Critical Thinking:** Students will demonstrate the ability to engage in inquiry and analysis, evaluation and synthesis of information, and creative thinking by completing a written assignment such as a book report, research paper, or essay.
- **Communication Skills:** Students will demonstrate effective development, interpretation and expression of ideas through written, oral, and visual communication by completing a written assignment such as a book report, research paper, or essay.
- **Quantitative and Empirical Literacy:** Students will demonstrate the ability to draw conclusions based on the systematic analysis of topics using observation, experiment, and/or numerical skills by completing textbook reading assignments, completing assignments, and answering questions on quizzes and exams that pertain to Course Student Learning Outcomes below.
- **Team Work:** Students will demonstrate the ability to consider different points of view and work effectively with others to support a shared purpose or goal. The students may work collaboratively through written, oral or visual communication such as research papers and presentations.
- **Social Responsibility:** Students will demonstrate cultural self-awareness, intercultural competency, civil knowledge, and the ability to engage effectively in regional, national, and global communities by completing textbook reading assignments, completing assignments, and answering questions on quizzes and exams that pertain to Course Student Learning Outcome #4 below.
- **Personal Responsibility:** The students will demonstrate the ability to connect choices, actions and consequences to decision making through analyzing behavior and completing a written report or presentation.

Student Learning Outcomes and Objectives

Program Student Learning Outcomes (PSLOs) for the Biology Discipline can be found at <https://www.hccs.edu/programs/areas-of-study/science-technology-engineering--math/biology/>

Course Student Learning Outcomes (CSLOs)

Upon completion of BIOL 1322, the student will be able to:

1. Apply nutritional knowledge to analyze personal dietary intake, to plan nutritional meals using nationally established criteria to meet

recommended goals, and to evaluate food labels and the validity of nutritional claims.

2. Trace the pathways and processes that occur in the body to handle nutrients and alcohol through consumption, digestion, absorption, transport, metabolism, storage and waste excretion.

3. Discuss function, sources, deficiencies, and toxicities of macro and micronutrients, including carbohydrates, lipids, proteins, water, vitamins and minerals.

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 imbalance.

5. Utilize concepts of aerobic and anaerobic systems, and knowledge about macronutrients, vitamins, minerals, ergogenics, and supplements and relate them to fitness and health.

6. 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 disease.

Learning Objectives for each CSLO can be found at [Learning Objectives for BIOL 1322](#)

Departmental Practices and Procedures

Instructor and Student Responsibilities

As your Instructor, it is my responsibility to:

- Provide the grading scale and detailed grading formula explaining how student grades are to be derived
- Facilitate an effective learning environment through learner-centered instructional techniques
- Provide a description of any special projects or assignments
- Inform students of policies such as attendance, withdrawal, tardiness, and making up assignments
- Provide the course outline and class calendar that will include a description of any special projects or assignments
- Arrange to meet with individual students before and after class as required.

As a student, it is your responsibility to:

- Attend class in person and/or online
 - Participate actively by reviewing course material, interacting with classmates, and responding promptly in your communication with me
 - Read and comprehend the textbook
 - Complete the required assignments and exams
 - Ask for help when there is a question or problem
 - Keep copies of all paperwork, including this syllabus, handouts, and all assignments
 - Attain a raw score of at least 50% on the departmental final exam
- Be aware of and comply with academic honesty policies in the [HCCS Student Handbook](#)

Student Success Information

Academic standards require a minimum of 3 study hours for every contact hour; meaning for a class that meets 3 hours per week, you need to budget and set aside a minimum of 9 hours each week to study and prep for your course success. Expect to spend at least twice as many hours per week outside of class as you do in class studying the course content. Additional time will be required for written assignments. The assignments provided will help you use your study hours wisely.

Successful completion of this course requires a combination of the following:

1. Reading the textbook
2. Attending class in person and/or online
3. Timely completion of assignments
4. Participating in class activities
5. Successful exam performance, including the mandatory final.

There is no short cut for success in this course; it requires reading and studying the material using the course objectives as a guide.

Instructional Materials

- Please note that you do not need to purchase book or access code for this course as you have paid for your course materials including etextbook access during registration. The cost of digital course materials (LaunchPad) for this class were included in your student bill and are guaranteed to be the lowest cost available to purchase your required materials.
- Students have the option to **opt out** of the program prior to the Official day of Record (**June 10**). Students who withdraw prior to the official day of record will have their course materials fee refunded within two day - two weeks after withdrawing.
- It is **NOT recommended** that you Opt-Out, as these materials are required to complete the course. If you do however choose to opt-out of these materials, you will not have access to the etextbook through Canvas and you will be responsible for purchasing the course materials at the full retail price. You can choose to Opt-Out on the first day of class, but you will be responsible for purchasing your course materials at the full retail price and access to your materials may be suspended. To Opt out, click on the First Day Inclusive Access LTI Link on your canvas shell, then click on the opt-out button and confirm. The HCC Bursars/Finance Department will credit your account in 2-14 days.
- If you withdraw prior to the official day of record, please opt out first so your account will be credited faster.

The bookstore may stock a low-cost loose-leaf version of the textbook or help you place an order for the low-cost printed text option. The low cost printed text is only available for students

✓ Course Requirements

Assignments, Exams, and Activities

Type	Weight	Topic	Notes
Lecture Exams	69%		There will be a total of four lecture exams. The questions will be primarily multiple choice, along with some true or false, fill in the blank, picture identification, and short essay questions. Each exam has equal weight-age with other exams. Make up exams will be given only in case of emergency and at the discretion of the instructor. The instructor reserves the right NOT to give make-up exams. You will be asked to provide documentation for an emergency that causes you to miss an exam. <i>All Lecture exams</i> will be online through Canvas using the respondus lockdown browser and webcam. A link to download the software will be active when you start the exam. Students with disabilities who need special help taking tests as part of reasonable accommodation should contact the Office for Students with Disabilities for information regarding testing.
Chapter Quizzes	10%		One homework assignment per chapter will be administered through canvas to help better understand the content. Chapter quizzes are administered through Launchpad platform and are due before the lecture exams.
AnalyzeMyDiet Assignments	10%		There are a total seven assignments due by July 1. They require data collection and input and therefore please take time to finish them.
Final Exam	10%		Final exam is a comprehensive departmental final exam which is a required component of the grade. For the summer semester, Final exam will be administered online using lockdown browser and webcam.
Syllabus Quiz	1%		Required. The syllabus quiz will also count as your attendance. Failure to complete this quiz will result in an automatic drop from the course for non-attendance.

Grading Formula

Grade	Range	Notes
A	90 to 100	4 GPA points/semester hour
B	80 to 89.5	3 GPA points/semester hour

Grade	Range	Notes
C	70 to 79.5	2 GPA points/semester hour
D	60 to 69.5	1 GPA points/semester hour
F	Below 59.5	0 GPA points/semester hour

* Instructor's Practices and Procedures

Instructional Modalities

Online Anytime (WW)

Traditional online course without scheduled meetings

Incomplete Policy

In this course, the purposes of the "I" (incomplete) grade is for students who are caught up and passing at the student withdrawal deadline, and then have a medical or other problem that prevents them from completing the course. If you are not passing at the student withdrawal deadline, you should drop yourself from the course, or you will likely earn an "F." An incomplete "I" grade will be given only if all of the following conditions are met:

- You have earned at least 85% of the available points by the date that the "I" grade is requested.
- You can provide documentation showing why you should earn an incomplete, such as a doctor's note, etc.
- You must be passing with a grade of "C" or better.
- You must request the incomplete in writing BEFORE December 1st, 2020
- In all cases, the instructor reserves the right to decline a student's request to receive a grade of Incomplete.

Missed Assignments/Make-Up Policy

You can access all activities (assignments, exams, and quizzes) by logging into your Eagle Online account from a computer at home or HCC computer lab within a specified time limit. Any activity that is not submitted on time is a missed activity which will be graded as zero. There will be no make-up opportunities for missed activities. Technical issues are not acceptable excuses for missed online activities, so please make sure to resolve all technical problems before taking online activities.

- If you miss an exam for whatever reason, it will be used as the drop exam.
- If you miss a second exam and wish to take a make-up, there are only three acceptable excuses for an individual missing an exam:
 - Illness: I will need official certification from your doctor, typed on medical stationery (with their license # to practice medicine on it) certifying that you are now well enough to take the test. This must be handed in within a week.
 - Funeral attendance. I will need proof of funeral attendance with the date of the ceremony clearly listed. This must be handed in no later than ten days after the date of the missed exam.
 - Mandatory courtroom appearance. I will need a copy of your official court summons with the date of your required attendance clearly listed. This must be handed no later than ten days after the date of the missed exam.

I only allow one missed exam to be made up per semester. Any other missed exam will be assigned 0 points.

Academic Integrity

This instructor is committed to a high standard of academic integrity in the academic community. In becoming a part of the academic community, students are responsible for honesty and independent effort. Failure to uphold these standards includes, but is not limited to, the following: plagiarizing written work or projects, cheating on exams or assignments, collusion on an exam or project, and misrepresentation of credentials or prerequisites when registering for a course. Cheating includes looking at or copying from another student's exam, orally communicating or receiving answers during an exam, having another person take an exam or complete a project or assignment, using unauthorized notes, texts, or other materials for an exam, and obtaining or distributing an unauthorized copy of an exam or any part of an exam. Plagiarism means passing off as his/her own the ideas or writings of another (that is, without giving proper credit by documenting sources). Plagiarism includes submitting a paper, report,

or project that someone else has prepared, in whole or in part. Collusion is inappropriately collaborating on assignments designed to be completed independently. These definitions are not exhaustive. When there is clear evidence of cheating, plagiarism, collusion, or misrepresentation, disciplinary action may include but is not limited to requiring you to retake or resubmit an exam or assignment, assigning a grade of zero or "F" for an exam or assignment; or assigning a grade of "F" for the course. Additional sanctions including being withdrawn from the course, program or expelled from school may be imposed on a students who violate the standards of academic integrity.

Scholastic Dishonesty will result in a referral to the Dean of Student Services.

Here's the link to the HCC information about academic integrity (Scholastic Dishonesty and Violation of Academic Scholastic Dishonesty and Grievance):

<https://www.hccs.edu/about-hcc/procedures/student-rights-policies--procedures/student-procedures/>
(<https://www.hccs.edu/about-hcc/procedures/student-rights-policies--procedures/student-procedures/>)

Attendance Procedures

Attendance is mandated by the state. You are expected to attend online class regularly. You will not receive a "W" after the official drop date. The Texas Legislature passes a law limiting first time entering freshmen to no more than SIX total course withdrawals throughout their educational career in obtaining a certificate and / or degree. Students are expected to:

- Take the syllabus quiz one day before official day of record (due on **June 10th midnight**). Students who do not complete the syllabus quiz before the due date may be automatically dropped for non-attendance.
- Students are responsible for withdrawing from this course.
- Any student who wishes to drop must officially do so on or before the drop date.
- Failure to withdraw officially will result in a letter grade, not "W" in this course.
- A grade "FX" will be assigned for failure due a lack of attendance.

Student Conduct

Students are expected to conduct themselves as adults. This includes courteous and respectful behavior towards instructor and classmates. Disruptive behavior or any behavior that interferes with any educational activity being performed by the instructor will not be allowed. Additionally, no student may interfere with his/her fellow students' right to pursue their academic goals to the fullest in an atmosphere appropriate to a community of scholars. Disruptive behavior may result in removal from the class.

Instructor's Course-Specific Information

I will teach you to the best of my ability. If you have any question or concern about your test results or grade, please talk e-mail me to set a specific meeting time. You have opportunities to review module exams and discuss ways to improve your study/learning strategies.

Grades will be posted in the gradebook after completion of the tests. If any grade related discrepancy is found, it will be discussed immediately and preferably by setting up a meeting during my office hou

Devices

Absolutely no phone or other personal electronic devices are to be used during exams.
STUDENTS ARE NOT PERMITTED TO HANDLE CALLS DURING EXAMS.

Faculty Statement about Student Success

Academic standards require a minimum of 3 study hours for every contact hour; meaning for a class that meets 3 hours per week, you need to budget and set aside a minimum of 9 hours each week to study and prep for your course success. Expect to spend at least twice as many hours per week outside of class as you do in class studying the course content. Additional time will be required for written assignments. The assignments provided will help you use your study hours wisely. Successful completion of this course requires a combination of the following:

- Reading the textbook
- Regularly accessing course content online

- Timely completion of assignments
- Participating in class activities
- Successful exam performance, including the mandatory final

There is no short cut for success in this course; it requires reading and studying the material using the course objectives as a guide.

Faculty-Specific Information Regarding Canvas

This course section will use Canvas (<https://eagleonline.hccs.edu>) to supplement in-class assignments, exams, and activities. Canvas only requires an operating system that can run the latest compatible web browsers. Your computer operating system should be kept up to date with the latest recommended security updates and upgrades. All exams in the course will be administered online using lockdown browser and webcam.

Social Justice Statement

Houston Community College is committed to furthering the cause of social justice in our community and beyond. HCC does not discriminate on the basis of race, color, religion, sex, gender identity and expression, national origin, age, disability, sexual orientation, or veteran status. I fully support that commitment and, as such, will work to maintain a positive learning environment based upon open communication, mutual respect, and non-discrimination. In this course, we share in the creation and maintenance of a positive and safe learning environment. Part of this process includes acknowledging and embracing the differences among us in order to establish and reinforce that each one of us matters. I appreciate your suggestions about how to best maintain this environment of respect. If you experience any type of discrimination, please contact me and/or the Office of Institutional Equity at 713-718-8271.

HCC Policies and Information

HCC Grading System

HCC uses the following standard grading system:

Grade	Grade Interpretation	Grade Points
A	Excellent (90-100)	4
B	Good (80-89)	3
C	Fair (70-79)	2
D	Passing (60-69), except in developmental courses.	1
F	Failing (59 and below)	0
FX	Failing due to non-attendance	0
W	Withdrawn	0
I	Incomplete	0
AUD	Audit	0

Grade	Grade Interpretation	Grade Points
IP	In Progress. Given only in certain developmental courses. A student must re-enroll to receive credit.	0
COM	Completed. Given in non-credit and continuing education courses.	0

Link to Policies in Student Handbook

Here's the link to the HCC Student Handbook <https://www.hccs.edu/resources-for/current-students/student-handbook/> (<https://www.hccs.edu/resources-for/current-students/student-handbook/>) In it you will find information about the following:

- Academic Information
- Academic Support
- Attendance, Repeating Courses, and Withdrawal
- Career Planning and Job Search
- Childcare
- disAbility Support Services
- Electronic Devices
- Equal Educational Opportunity
- Financial Aid TV (FATV)
- General Student Complaints
- Grade of FX
- Incomplete Grades
- International Student Services
- Health Awareness
- Libraries/Bookstore
- Police Services & Campus Safety
- Student Life at HCC
- Student Rights and Responsibilities
- Student Services
- Testing
- Transfer Planning
- Veteran Services

Link to HCC Academic Integrity Statement

<https://www.hccs.edu/resources-for/faculty/student-conduct-resources-for-faculty/> (<https://www.hccs.edu/resources-for/faculty/student-conduct-resources-for-faculty/>)

Campus Carry Link

Here's the link to the HCC information about Campus Carry:

<https://www.hccs.edu/departments/police/campus-carry/> (<https://www.hccs.edu/departments/police/campus-carry/>)

HCC Email Policy

When communicating via email, HCC requires students to communicate only through the HCC email system to protect your privacy. If you have not activated your HCC student email account, you can go [to HCC Eagle ID \(https://www.hccs.edu/resources-for/current-students/student-e-maileagle-id/\)](https://www.hccs.edu/resources-for/current-students/student-e-maileagle-id/) and activate it now. You may also use Canvas Inbox to communicate.

Office of Institutional Equity

Use the link below to access the HCC Office of Institutional Equity, Inclusion, and Engagement (<https://www.hccs.edu/departments/institutional-equity/>) (<https://www.hccs.edu/departments/institutional-equity/>)

Ability Services

HCC strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including long and short term conditions, mental health, chronic or temporary medical conditions), please meet with a campus Abilities Counselor as soon as possible in order to establish reasonable accommodations. Reasonable accommodations are established through an interactive process between you, your instructor(s) and Ability Services. It is the policy and practice of HCC to create inclusive and accessible learning environments consistent with federal and state law. For more information, please go to <https://www.hccs.edu/support-services/ability-services/> (<https://www.hccs.edu/support-services/ability-services/>)

Title IX

Houston Community College is committed to cultivating an environment free from inappropriate conduct of a sexual or gender-based nature including sex discrimination, sexual assault, sexual harassment, and sexual violence. Sex discrimination includes all forms of sexual and gender-based misconduct and violates an individual's fundamental rights and personal dignity. Title IX prohibits discrimination on the basis of sex-including pregnancy and parental status in educational programs and activities. If you require an accommodation due to pregnancy please contact an Abilities Services Counselor. The Director of EEO/Compliance is designated as the Title IX Coordinator and Section 504 Coordinator. All inquiries concerning HCC policies, compliance with applicable laws, statutes, and regulations (such as Title VI, Title IX, and Section 504), and complaints may be directed to:

David Cross

Director EEO/Compliance

Office of Institutional Equity & Diversity

3100 Main

(713) 718-8271

Houston, TX 77266-7517 or Institutional.Equity@hccs.edu (<mailto:Institutional.Equity@hccs.edu>)

<http://www.hccs.edu/departments/institutional-equity/title-ix-know-your-rights/> (<http://www.hccs.edu/departments/institutional-equity/title-ix-know-your-rights/>)

Office of the Dean of Students

Contact the office of the Dean of Students to seek assistance in determining the correct complaint procedure to follow or to identify the appropriate academic dean or supervisor for informal resolution of complaints.

<https://www.hccs.edu/about-hcc/procedures/student-rights-policies--procedures/student-complaints/speak-with-the-dean-of-students/> (<https://www.hccs.edu/about-hcc/procedures/student-rights-policies--procedures/student-complaints/speak-with-the-dean-of-students/>)

Student Success

Expect to spend at least twice as many hours per week outside of class as you do in class studying the course content. Additional time will be required for written assignments. The assignments provided will help you use your study hours wisely. Successful completion of this course requires a combination of the following:

- Reading the textbook
- Attending class in person and/or online
- Completing assignments
- Participating in class activities

There is no short cut for success in this course; it requires reading (and probably re-reading) and studying the material using the course objectives as a guide.

Canvas Learning Management System

Canvas is HCC's Learning Management System (LMS), and can be accessed at the following URL:

<https://eagleonline.hccs.edu> (<https://eagleonline.hccs.edu>)

HCCS Open Lab locations may be used to access the Internet and Canvas. For best performance, Canvas should be used on the current or first previous major release of Chrome, Firefox, Edge, or Safari. Because it's built using web standards, Canvas runs on Windows, Mac, Linux, iOS, Android, or any other device with a modern web browser.

Canvas only requires an operating system that can run the latest compatible web browsers. Your computer operating system should be kept up to date with the latest recommended security updates and upgrades.

HCC Online Information and Policies

Here is the link to information about HCC Online classes, which includes access to the required Online Information Class Preview for all fully online classes: <http://www.hccs.edu/online/> (<http://www.hccs.edu/online/>)

Scoring Rubrics, Sample Assignments, etc.

Look in Canvas for the scoring rubrics for assignments, samples of class assignments, and other information to assist you in the course. <https://eagleonline.hccs.edu/login/ldap> (<https://eagleonline.hccs.edu/login/ldap>)

Instructor and Student Responsibilities

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- Facilitate an effective learning environment through learner-centered instructional techniques
- Provide a description of any special projects or assignments
- Inform students of policies such as attendance, withdrawal, tardiness, and making up assignments
- Provide the course outline and class calendar that will include a description of any special projects or assignments
- Arrange to meet with individual students during office hours, and before and after class as required

As a student, it is your responsibility to:

- Attend class in person and/or online
- Participate actively by reviewing course material, interacting with classmates, and responding promptly in your communication with me
- Read and comprehend the textbook
- Complete the required assignments and exams
- Ask for help when there is a question or problem
- Keep copies of all paperwork, including this syllabus, handouts, and all assignments
- Be aware of and comply with academic honesty policies in the [HCCS Student Handbook](http://www.hccs.edu/resources-for/current-students/student-handbook/) (<http://www.hccs.edu/resources-for/current-students/student-handbook/>)

EGLS3

The EGLS³ ([Evaluation for Greater Learning Student Survey System](http://www.hccs.edu/resources-for/current-students/egls3-evaluate-your-professors/) (<http://www.hccs.edu/resources-for/current-students/egls3-evaluate-your-professors/>)) will be available for most courses near the end of the term until finals start. This brief survey will give invaluable information to your faculty about their teaching. Results are anonymous and will be available to faculty and division chairs after the end of the term. EGLS³ surveys are only available for the Fall and Spring semesters. -EGLS3 surveys are not offered during the Summer semester due to logistical constraints.

<http://www.hccs.edu/resources-for/current-students/egls3-evaluate-your-professors/> (<http://www.hccs.edu/resources-for/current-students/egls3-evaluate-your-professors/>)

Housing and Food Assistance for Students

Any student who faces challenges securing their foods or housing and believes this may affect their performance in the course is urged to contact the Dean of Students at their college for support. Furthermore, please notify the professor if you are comfortable in doing so.

This will enable HCC to provide any resources that HCC may possess.

Student Resources

Tutoring

HCC provides free, confidential, and convenient academic support, including writing critiques, to HCC students in an online environment and on campus. Tutoring is provided by HCC personnel in order to ensure that it is contextual and appropriate. Visit the [HCC Tutoring Services \(http://www.hccs.edu/resources-for/current-students/tutoring/\)](http://www.hccs.edu/resources-for/current-students/tutoring/) website for services provided.

Libraries

The HCC Library System consists of 9 libraries and 6 Electronic Resource Centers (ERCs) that are inviting places to study and collaborate on projects. Librarians are available both at the libraries and online to show you how to locate and use the resources you need. The libraries maintain a large selection of electronic resources as well as collections of books, magazines, newspapers, and audiovisual materials. The portal to all libraries' resources and services is the HCCS library web page at <http://library.hccs.edu> (<http://library.hccs.edu/>).

Supplementary Instruction

Supplemental Instruction is an academic enrichment and support program that uses peer-assisted study sessions to improve student retention and success in historically difficult courses. Peer Support is provided by students who have already succeeded in completion of the specified course, and who earned a grade of A or B. Find details at <http://www.hccs.edu/resources-for/current-students/supplemental-instruction/> (<http://www.hccs.edu/resources-for/current-students/supplemental-instruction/>).

Resources for Students:

<https://www.hccs.edu/resources-for/current-students/communicable-diseases/resources-for-students/>
(<https://www.hccs.edu/resources-for/current-students/communicable-diseases/resources-for-students/>)

Basic Needs Resources:

<https://www.hccs.edu/support-services/counseling/hcc-cares/basic-needs-resources/> (<https://www.hccs.edu/support-services/counseling/hcc-cares/basic-needs-resources/>)

Student Basic Needs Application:

https://hccs.co1.qualtrics.com/jfe/form/SV_25WyNx7NwMRz1FH
(https://hccs.co1.qualtrics.com/jfe/form/SV_25WyNx7NwMRz1FH)

COVID-19

Here's the link to the HCC information about COVID-19:

<https://www.hccs.edu/resources-for/current-students/communicable-diseases/> (<https://www.hccs.edu/resources-for/current-students/communicable-diseases/>)

Sensitive or Mature Course Content

In this college-level course, we may occasionally discuss sensitive or mature content. All members of the classroom environment, from your instructor to your fellow students, are expected to handle potentially controversial subjects with respect and consideration for one another's varied experiences and values.

Course Calendar

Syllabus Modifications

The instructor reserves the right to modify the syllabus at any time during the semester and will promptly notify students in writing, typically by e-mail, of any such changes.

Week	Ch	Reading Schedule	Testing Schedule

Week	Ch	Reading Schedule	Testing Schedule
7/12		Syllabus/ORIENTATION	July 15th: Syllabus Quiz
	1	The Science and Scope of Nutrition	
	2	Healthy Diets	
	3	Digestion	July 18: Summative Quizzes Ch1-3
7/19	4	Carbohydrates	
	5	The Lipids	July 19th: Exam 1
	6	Proteins Spotlight A-C	July 25: Summative Quizzes Ch 4-6, Spotlight summative quizzes A-C
7/26	7	Fat Soluble Vitamins	July 26: Exam 2
	8	Water Soluble Vitamins	
	9	Major Minerals and Water	August 1: Summative Quizzes Ch 7-10 and spotlight D
	10	Trace Elements Spotlight D	
8/2	11	Energy Balance & Obesity	
	12	Nutrition & Fitness	August 2: Exam 3
	13	Nutrition through College Years	August 2: LAST DAY TO WITHDRAW
		Global Nutrition	August 8 : AnalyzeMyDietAssignments
	14	Spotlight E, F and G	
8/9			August 9: Summative Quizzes Ch 11-15, SPOTLIGHT E,F,G and H
			August 10: Exam 4
			August 12: Comprehensive Final Exam ONLINE

Additional Information

Biology Departmental/Program Information

The [Field of Study \(FOS\) Curriculum for Biology](https://www.hccs.edu/programs/areas-of-study/science-technology-engineering--math/biology/) (<https://www.hccs.edu/programs/areas-of-study/science-technology-engineering--math/biology/>) here at HCC covers the smallest and simplest organisms (microbiology) to the largest and most complex organisms (human anatomy and physiology, zoology, botany).

The [Associate of Science in Biology - Biology Majors & Premedical Programs](https://www.hccs.edu/finder/programs/associate-of-science-in-biology---biology-majors--premedical-programs---field-of-study-curriculum/) (<https://www.hccs.edu/finder/programs/associate-of-science-in-biology---biology-majors--premedical-programs---field-of-study-curriculum/>) FOS is intended primarily for students planning on transferring to a senior college or university to receive a baccalaureate degree in the following areas: computer science, engineering, health and natural sciences, or mathematics.

The [Associate of Science in Biology - Health Sciences Professions](https://www.hccs.edu/finder/programs/associate-of-science-in-biology---health-sciences-professions) (<https://www.hccs.edu/finder/programs/associate-of-science-in-biology---health-sciences-professions>)

[science-in-biology---health-sciences-professions---field-of-study-curriculum/](#)) FOS is intended primarily for students planning on transferring to a senior college or university to receive a baccalaureate degree in the following areas: computer science, engineering, health and natural sciences, or mathematics. (Pre-Nursing, Pre-Radiologic Sciences, Pre-Clinical Laboratory Services)

Visit the [STEM Resources Page at HCC \(https://www.hccs.edu/resources-for/current-students/stem--science-technology-engineering--mathematics/\)](https://www.hccs.edu/resources-for/current-students/stem--science-technology-engineering--mathematics/): HCC has developed this site to provide information on STEM related programs and resources at HCC and other institution – to include scholarship information.

Visit the [Biology Program Page \(https://learning.hccs.edu/programs/biology\)](https://learning.hccs.edu/programs/biology) on the HCC Learning Web for information about our faculty and courses. You will also find information about majoring in Biology.

Process for Expressing Concerns about the Course

If you have concerns about any aspect of this course, please reach out to your instructor for assistance first. If your instructor is not able to assist you, then you may wish to contact the Department Chair:

Dr. D. Grigsby

daejan.grigsby@hccs.edu; 713.718.7775