

# BSC3096 HUMAN PHYSIOLOGY (ONLINE)

## Contact Information

**Instructor:** Dr. Scott Taylor

**Email:** sm.taylor@ufl.edu

**Office Hours:** W 1-4pm, by Zoom Web Conference

**Teaching Assistants:** TBA

**Credit Hours:** 3

For questions about course content, your grade, or other personal issues, please use the Canvas mail tool. If you email directly, please include the course code in the subject. Expect a response within **48 hours on weekdays**. Emails during the weekends will be responded to on the following weekday.

## Course Information

Welcome to Human Physiology! We'll be taking a tour through the human body to gain in-depth knowledge about how the body functions, not just on the whole-body level, but diving down into individual organs, tissues, cells, and even molecules.

In this class we'll answer questions like:

- How does an organ like the lung work?
- How do organs work together to ensure survival: the lungs with the brain, the cardiovascular system with the kidneys, everything with everything?
- How does a change to an individual molecule, cell, or organ affect function on a larger scale?

There are a lot of terms and concepts to learn, but more importantly you will begin to learn about how different organ systems work together for the benefit of the organism as a whole. This course should be helpful for anyone who is interested in the health sciences. But most of all, although it is hard work, it is a lot of fun learning about how the human body works. This course will also provide or enhance critical thinking skills- you will learn how to learn deeply, not just memorizing material but being able to integrate concepts within larger contexts.

## **Course Description**

This course will introduce you to the processes that keep the human body functioning. You will learn the content through lectures and textbook readings, but it is important that you practice taking that content to another level to exhibit deeper thinking. We will do that together in this course through homework questions, discussions, quizzes, and an individual project looking at specific examples of pathophysiology. I strongly recommend you utilize active study strategies, each other, and very importantly office hours to talk through concepts and really learn the material deeply. This will give you an excellent basis for further physiological study and hopefully an appreciation for the marvel that is you!

## **Course Objectives**

By the end of this course, you will be able to:

1. Explain physiological mechanisms of humans by applying basic principles of biology and chemistry.
2. Describe the fundamental mechanisms underlying normal functions of cells, tissues, organs, and organ systems in humans, and explain basic mechanisms of homeostasis across these levels.
3. Effectively solve basic problems when given physiological situations, both independently and in groups.
4. Apply functional mechanisms and their regulation to explain pathophysiological conditions, both in origin and in knock-on effects.
5. Generate hypotheses about physiological processes and design experiments to test hypotheses.

## **Course Requirements**

### **Required Textbook**

Silverthorn, A. C., Johnson, B. R., Ober, C. E., & Impagliazzo, A. (2019). *Human Physiology* (8th ed.). Pearson Education, Inc.

### **Prerequisites**

The prerequisites for this course are CHM 1031 (or CHM 2046, or CHM 2047) and BSC 2011.

## **Minimum Technology Requirements**

The University of Florida expects students entering an online program to acquire computer hardware and software appropriate to his or her degree program. Most computers are capable of meeting the following general requirements. A student's computer configuration should include:

- Webcam
- Microphone
- Broadband connection to the Internet and related equipment (Cable/DSL modem)
- Microsoft Office Suite installed (provided by the university)

Individual colleges may have additional requirements or recommendations, which students should review before the start of their program.

## **Minimum Technical Skills**

To complete your tasks in this course, you will need a basic understanding of operating a computer and using word processing software.

## **Materials/Supply Fees**

There is no supply fee for this course.

## **Honorlock**

Honorlock is an online proctoring service that allows students to take exams on-demand 24/7. There are no scheduling requirements or fees.

You will need a laptop or desktop computer with a webcam, a microphone, and a photo ID. The webcam and microphone can be either integrated or external USB devices.

Honorlock requires that you use the [Google Chrome \(Links to an external site.\)](#) browser; furthermore, the Honorlock extension ([Links to an external site.](#)) must be added to Chrome.

For further information, FAQs, and technical support, please visit [Honorlock](#).

## **Zoom**

Zoom is an easy-to-use video conferencing service available to all UF students, faculty, and staff that allows for meetings of up to 100 participants.

You can find resources and help using Zoom at the [UFIT's Zoom page](#).

## Course Policies

### Late Work

There is no credit for late work in this class. There are drops for some assignment categories to give grace for off-weeks, forgetting an assignment, inexcusable events, etc.

### Make-Up Policies

Requirements for make-up exams, assignments, and other work in this course are consistent with university policies that can be found at [Attendance Policies](#).

No make-up exams or assignments will be given without prior permission or documentation of illness. Students that will be missing an exam due to a pre-arranged university-approved excused absence (sports, etc.) should let the instructor know a **minimum of two weeks in advance**.

In case of illness or personal emergency, students must submit documentation to the Dean of Students office (linked [here](#)) and [request an instructor notification to be sent](#).

For exams, these notes must be received within five business days after the exam. Make-up exams may be short answer and essay questions and may not be multiple choice. All assignments other than exams will have no make-ups without excused absences for 3 consecutive days during the week of the due date, including the due date.

Any technical issues should be reported to the Help Desk immediately. See "Technical Difficulties" under "Getting Help" for the full policy and more information.

As this is an online class, you are responsible for observing all posted due dates and are encouraged to be self-directed and take responsibility for your learning.

### Grading Discrepancies

Any grade disputes or requests for re-grading, grade changes, etc. must be submitted within 24 hours of receiving the final score for the assignment/quiz/etc. This does not guarantee a change in grade, rather a review of the grade. Requests or disputes submitted past this time period will not be addressed.

### Communication Policy

All emails and online communication should be respectful and kind, following [netiquette guidelines](#).

Emails will receive a response within 48 hours on weekdays. If your email does not receive a response within a reasonable time period, consider revising your email and resending it. Your email may have contained language that failed to be respectful and/or kind.

## Other Policies

Assignment descriptions, suggested study methods, and further academic conduct information located in pdf version of syllabus [here](#).

## Grading Policy

I will make every effort to have each assignment graded and posted within one week of the due date. Turnaround time is subject to change by instructor announcement.

## Course Grading Policy

Assignment Type	Grade Percentage	Drops
PlayPosit Lecture Videos	20%	1
Homework Questions (via Pearson)	15%	1
Case Study Discussions	10%	1
Case Study Quizzes	10%	1
Exams	45%	1

## Grading Scale

Percent	Grade	Grade Points
93.33-100	A	4.00
90-93.32	A-	3.67
86.66-89.99	B+	3.33
83.33-86.65	B	3.00
80-83.32	B-	2.67
76.66-79.99	C+	2.33
70-76.65	C	2.00
66.66-69.99	D+	1.33
63.33-66.65	D	1.00
60-63.32	D-	0.67
<60	E	0.00

See the [current UF grading policies](#) for more information.

## **UF Policies**

### **University Policy on Accommodating Students with Disabilities**

Students with disabilities requesting accommodations should first register with the [Disability Resource Center](#) (352-392-8565) by providing appropriate documentation. Once registered, students will receive an accommodation letter that must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

### **University Policy on Academic Conduct**

UF students are bound by The Honor Pledge which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity by abiding by the Honor Code. On all work submitted for credit by students 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." The [Student Honor Code and Student Conduct Code](#) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

### **Netiquette and Communication Courtesy**

All class members are expected to follow rules of common courtesy in all email messages, threaded discussions, and chats.

## **Getting Help**

### **Technical Difficulties**

For issues with technical difficulties for Canvas, please contact the UF Help Desk at:

- <http://helpdesk.ufl.edu>
- (352) 392-HELP (4357)
- Walk-in: HUB 132

Any requests for make-ups due to technical issues should be accompanied by the ticket number received from the Help Desk when the problem was reported to them. The ticket number will document the time and date of the problem. You should e-mail your instructor within 24 hours of the technical difficulty if you wish to request a make-up.

## Health and Wellness

- **U Matter, We Care:** If you or someone you know is in distress, please contact [umatter@ufl.edu](mailto:umatter@ufl.edu), 352-392-1575, or visit [U Matter We Care](#) to refer or report a concern and a team member will reach out to the student in distress.
- **Counseling and Wellness Center:** Visit [UF Counseling & Wellness Center](#) or call 352-392-1575 for information on crisis services as well as non-crisis services.
- **Student Health Care Center:** Call 352-392-1161 for 24/7 information to help you find the care you need, or visit [UF Student Health Care Center](#).
- **University Police Department:** Visit [UF Police Department](#) or call 352-392-1111 (or 9-1-1 for emergencies).
- **UF Health Shands Emergency Room/Trauma Center:** For immediate medical care in Gainesville, call 352-733-0111, or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32608; [UF Health Shands Emergency Room/Trauma Center](#).

## Academic and Student Support

- **Career Connections Center:** 352-392-1601. Career assistance and counseling services [UF Career Connections Center](#).
- **Library Support:** Various ways to receive assistance with respect to using the libraries or finding resources. [UF George A. Smathers Libraries Ask-A-Librarian](#)
- **Teaching Center:** 352-392-2010 General study skills and tutoring: [UF Teaching Center](#)
- **Writing Studio:** 352-846-1138. Help brainstorming, formatting, and writing papers: [University Writing Program Writing Studio](#)

## Course Evaluations

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 [Providing Constructive Feedback](#). 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 [GatorEvals](#). Summaries of course evaluation results are available to students at [GatorEvals Public Results](#). More information about UF's course evaluation system can be found at [GatorEvals - Faculty Evaluations](#).

## Tips for Success

Taking a course online can be a lot of fun! Here are some tips that will help you get the most of this course while taking full advantage of the online format:

- Schedule "class times" for yourself. It is important to do the coursework on time each week. You will receive a reduction in points for work that is turned in late!
- Read ALL of the material contained on this site. There is a lot of helpful information that can save you time and help you meet the objectives of the course.

- Print out the Course Schedule located in the Course Syllabus and check things off as you go.
- Take full advantage of the online discussion boards. Ask for help or clarification of the material if you need it.
- Do not wait to ask questions! Waiting to ask a question might cause you to miss a due date.
- Do your work well before the due dates. Sometimes things happen. If your computer goes down when you are trying to submit an assignment, you'll need time to troubleshoot the problem.
- To be extra safe, back up your work to an external hard drive, thumb drive, or through a cloud service.

## **Online Proctoring With HonorLock**

In order to maintain a high standard of academic integrity and assure that the value of your University of Florida degree is not compromised, course exams will be proctored. Some students will take their exams online and will be proctored by Honorlock. You will take your exam electronically using the course website. You **do not** need to register for your exam. However, you will need to have installed and enabled the Google Chrome Honorlock extension prior to taking your exams. You will need a webcam, speakers, microphone, laptop or desktop computer, and reliable Internet connection to be able to take your exams. Wireless internet is not recommended. You may also need a mirror or other reflective surface. Google Chrome is the only supported browser for taking exams in Canvas.

### **Before Your Exam**

Prior to each exam and in the same environment you plan to take the exam, review the [Honorlock Guidelines \(Links to an external site.\)](#), and go to [Honorlock Support \(Links to an external site.\)](#) to run a system check. This process takes just a few minutes and is completely free. If your course offers an Honorlock Practice Quiz, it is strongly recommended that you take it to practice using Honorlock before your exams.

**Important:** If you are unable to take an exam because of a technical glitch on your end, that is your responsibility. However, if you do experience technical difficulties during the exam, Honorlock's support menu will be visible on-screen for you to contact a support agent.

### **Getting Help**

Honorlock offers 24/7/365 technical support to assist students before, during, and after exams. If you experience any trouble with Honorlock, begin a live chat on the [Honorlock Support page \(Links to an external site.\)](#), call +1 (844) 243-2500, or email [Support@Honorlock.com](mailto:Support@Honorlock.com).



## Privacy and Accessibility Policies

For information about the privacy policies of the tools used in this course, see the links below:

- Instructure (Canvas)
  - [Instructure Privacy Policy](#)
  - [Instructure Accessibility](#)
- Sonic Foundry (Mediasite Streaming Video Player)
  - [Sonic Foundry Privacy Policy](#)
  - [Sonic Foundry Accessibility](#)
- PlayPosit
  - [PlayPosit Privacy Policy](#)
  - [PlayPosit Accessibility](#)
- Zoom
  - [Zoom Privacy Policy](#)
  - [Zoom Accessibility](#)
- YouTube (Google)
  - [YouTube \(Google\) Privacy Policy](#)
  - [YouTube \(Google\) Accessibility](#)
- Microsoft
  - [Microsoft Privacy Policy](#)
  - [Microsoft Accessibility](#)
- Adobe
  - [Adobe Privacy Policy](#)
  - [Adobe Accessibility](#)
- Honorlock
  - [Honorlock Privacy Policy](#)
  - [Honorlock Accessibility](#)