



Human Biology

BIOL 100

Fort Hays State University (FHSU)
College of Science, Technology, and Mathematics
Department of Biology
Dr. Amanda M. Adams

1. COURSE INFORMATION

1.1. Credit Hours	3.0
1.2. Semester and Year	Spring 2019
1.3. Course Prerequisites	None
1.4. Location of Class	Albertson Hall (AH) 169
1.5. Class Time	MWF 11:30 – 12:20 am

2. INSTRUCTOR INFORMATION

2.1. Instructor Contact Information

- Name: Dr. Amanda M. Adams
- Office Location: AH 418
- Office Hours:
 - MWF 12:30 – 2:00
 - by appointment
- Email Address: amadams7@fhsu.edu
- Phone Number: (785) 628-5820

2.2. Contact Procedure and Policy

Please do not hesitate to contact me. Email is the best way to contact me. Please make sure your emails come from your FHSU email and are written in a professional manner. I usually respond to emails within 24 hours during the work week and within 48 hours on weekends.

I have dedicated office hours and will schedule meetings outside of those times. To schedule a meeting, email me with the reason for the meeting and 3 – 4 recommended dates/times that you are available.



3. TEXTBOOK AND COURSE MATERIALS

3.1. Required Textbook

Good news: your textbook for this class is available for free online! If you prefer, you can also print it.

Your book is available in web view and PDF for free (PDF posted on Blackboard in the “Course Info” folder). You can also choose to purchase on iBooks or get a print version from OpenStax on Amazon.com.

You can use whichever formats you want. Web view is recommended, the responsive design works seamlessly on any device.

Concepts of Biology from OpenStax, Print ISBN 1938168119, Digital ISBN 1947172034,
www.openstax.org/details/concepts-biology

3.2. Technology Requirement

Access to [Blackboard](#)

Blackboard phone app (optional)

Setup Yellowdig profile on Blackboard, add a photo (required)

Yellowdig phone app (optional)

Kahoot phone app (optional)

4. COURSE DESCRIPTION

4.1. FHSU Catalogue Description

An introductory course using fundamental concepts of human structure and function as the starting point for the exploration of principles of processes common to all living systems and the interrelationships between humans and the rest of the biosphere.

4.2. Instructor Course Description

This is an introductory course that will expand your knowledge of the principles common to all living systems. We will discuss successive levels of organization, from atoms to the interrelationship between humans and the rest of the biosphere. You will learn how humans, one of a myriad of organisms on Earth, have evolved and interact with each other. I emphasize those aspects of biology that should be valuable for an understanding of our place in the environment and hope that you will develop an appreciation for living organisms.



4.3. Recommendations for Success

Full participation with your learning community will lead you to the greatest success. Staying on top of assignments and completing readings and activities before you arrive to class will make sure you get the most out of what we are doing in class each day.

Participate on Yellowdig (accessed through Blackboard) early and on a regular basis. Your contribution to the learning community and being a good citizen is valuable. Your efforts will be rewarded.

5. COURSE OBJECTIVES

5.1. Course Objectives

- Provide a broad understanding of biology, the systems that allow us to function, and how we evolved to where we are now.
- Engage students with the many connections between the real world and biological principles.
- Provide an appreciation and understanding of biology and the scientific method.

5.2. Learning Outcomes

At the end of this course, you should be able to:

- explain the functioning of the human body and our relationship with other organisms;
- search, acquire, and evaluate scientific findings from primary literature;
- develop critical arguments based on scientific research and communicate it in a concise, organized manner;
- create connections between diverse facts and observations to develop an understanding of concepts.

6. TEACHING, LEARNING METHODS, & COURSE STRUCTURE

6.1. Delivery Method

The in-class lecture portion of this course will consist of lectures, group work, discussion questions, and participation activities.

Students will be required to complete tasks and readings prior to attending a specific lecture. Participation and in-class activities will assume you have done the necessary assignments before class.

6.2. Instructional Approach

I will use a blend of in-class lectures and participation with online activities to give students exposure to a wide range of information sources. I encourage students to ask questions at any time: in class, on the course discussion board (see Blackboard), or during office hours. You may also email questions, but most of the time someone



else will have the same question as you and you will be encouraged to ask it where other students can benefit from the response too (Yellowdig Q&A Topic).

6.3. Course Structure

This course meets on a weekly basis on Mondays, Wednesdays, and Fridays. All course material will be available or linked through Blackboard or in the textbook. Students will be responsible for learning material outside of class. Team work will be conducted both in and outside of class.

7. COURSE SCHEDULE

This schedule is tentative and might change during the semester depending on how the course evolves. The content is subject to change depending on students' interest and progress. Students will be notified of the changes through announcements either in the class or at the Blackboard course site. If time is mentioned in the course, it refers to the Central Time Zone.

Week	Topics	Chapter	Assignments
Week 1	Biology: The Science of Life	1	
Week 2	The Chemistry of Life	2	
Week 3	Cell Structure and Function	3	Writing Assignment 1
Week 4	How Cells Obtain Energy	4	
Week 5	Reproduction at the Cellular Level	6	
Week 6	Cellular Basis of Inheritance	7	
Week 7	Patterns of Inheritance	8	Midterm Exam
Week 8	<i>No class – Spring Break</i>		
Week 9	Molecular Biology	9	
	Biotechnology	10	
Week 10	Evolution	11	Writing Assignment 2
Week 11	The Body's Systems	16	Proposal
Week 12	The Body's Systems	16	
Week 13	The Body's Systems	16	
Week 14	The Immune System	17	
Week 15	Ecology		Project: Rough Draft
Week 16	Human Impact on the Biosphere		Team Presentations
FINALS	Monday, May 13 - (9:30 - 11:10)		Final Exam



Important Dates

[FHSU Academic Calendar](#)

Week 1 begins Wednesday, January 24, 2019

Spring Break: March 11 – 15, 2018

Final Exam: Monday, May 13

8. ASSESSMENT METHODS AND GRADING SCALE

The grade you earn for this course depends on the total number of points you earn throughout the semester. All grades will be recorded and available to students on Blackboard. The assessment methods and grading scale are as follows:

Assessment Methods	Weighted Percentage
Participation	
- In-class	10%
- Yellowdig (Discussion board)	
o Assigned posts	5%
o Overall participation	5%
Guided Readings	10%
Written Assignments (2)	20%
Team Project	
- Proposal (individual & team)	5%
- Rough Draft	10%
- Presentation	10%
- Individual Participation	5%
Exams (2)	20%
Total	100%

= A (90% and above)

= B (80%–89%)

= C (70%–79%)

= D (60%–69%)

= U (below 60%)

Yellowdig

Yellowdig is a discussion board that you can access through Blackboard. You might also find it helpful to use the Yellowdig app on your phone. The purpose of the discussion board is to frame and promote collaborative learning and create a learning community among your peers. Active and regular participation is not only important for your grade, but also important for you in learning the course content and in developing your thoughts and positions on various topics.

Your grade will have two parts: 1) assigned posts covering required material and 2) overall participation. The overall participation will be cumulative through the semester based on your total number of Yellowdig points; 200 points on Yellowdig equals 100% participation at the end of the semester. You receive points based on your posts, comments, and quality of posts. You can monitor your score on the right side of your Feed or in more detail in the Dashboard.



Writing Assignments

There will be two writing assignments during the semester to encourage you to develop your writing skills and evaluate credible resources. Each essay will be limited to 250-words long and include a minimum of one reference. You will need to follow the Writing Assignment Guidelines and Rubric closely since this document explicitly outlines grading for these assignments.

Exams

There will be two exams for this course; each will be cumulative, short-response exams. There will be no multiple-choice questions. Exams will cover material from lecture, the textbook, and classroom discussions.

Guided Reading

We have 14 assigned Reading Guides that correspond to the readings and other course materials. Links will be in each weekly folder on Blackboard. These are due Friday at midnight, unless otherwise noted. I encourage you to complete the Reading Guide while reading the chapter and before attending class. There is no time limit and you may redo them as many times as you would like before the due date.

Team Project

The team research project will be during the second half of the semester and will culminate in each team presenting their findings in oral presentations during the last week of the semester.

9. STUDENT HELP RESOURCES

Students have access to academic services, technical support and student services at Fort Hays State University. You can find the resources online at <http://www.fhsu.edu/learningtechnologies/BlackboardStudentTutorials/>

Free tutoring for this, and all General Education courses, is available in the [Kelly Center](#). You may either stop by in person or contact them at 785-628-4401. I am also available to meet with you during my office hours. If my office hours don't work with your schedule, we can set up another time. *Please ask if you need help with anything.*

For more information you can contact TigerTech at 785-628-3478 or <https://www.fhsu.edu/tigertech/>

10. COURSE POLICIES

10.1. Class Attendance

Students are expected to attend class and be on time. There is no penalty for arriving late or having to leave early; I would prefer you to be in class even if you can't be there the whole time.



I will not be taking attendance, but most classes will have exercises that contribute to your course grade. It is recommended that you do not miss class. If you know you are going to miss class for an approved absence, contact me in advance (amadams7@fhsu.edu).

FHSU Institutional Policy:

http://www.fhsu.edu/academic/provost/handbook/ch_2_instructional_procedures/

10.2. Class Participation

Every class will require participation. You are encouraged to show up to class ready to think and talk and interact with your peers. Participation will come in several forms: from talking with a partner, presenting to the class, or interacting with apps on your phone. Don't be afraid! This class is your learning community and we are all coming together to learn and improve ourselves.

10.3. Make-up exams & late assignments

Make-up exams are permitted only with an approved absence: verifiable illness, college-approved activity (prior-notification necessary), death of an immediate family member. If you are going to miss an exam, you must contact me prior to missing the exam (voice mail or email).

Late assignments will not be accepted unless you have an approved absence. It is your responsibility to communicate with me in a timely fashion about submitting an assignment. If you do not make contact in a timely fashion, you will receive a zero for the assignment.

10.4. Use of Technology

I encourage the use of technology in and out of the class. You will be occasionally be using your cell phone for participation in class exercises. Please let me know if you do not have access to a smart phone. You are not allowed to record audio or video in class without specific permission from me. Please keep your phone on silent/do not disturb (vibrate is not silent).

You may take notes on your laptop, but I encourage you to take hand-written notes. Research shows that you will have better retention and perform better on exams if you take hand written notes.

Computer equipment failure or problems with internet access will not be considered valid excuses for missed or late exams and/or assignments. All students have access to campus-based computer labs or public library computers. It is your responsibility to arrange for alternate means of accessing the course materials in the event of technical difficulties. Contact TigerTech!



10.5. Diversity Statement

Respect for diversity: It is my goal to create an inclusive learning environment where students from all backgrounds and perspectives be well served by this course; that students' learning needs be addressed both in and out of class; and that the diversity that students bring to this class be viewed as a resource, strength, and benefit. I intend to present materials and activities that are respectful of diversity: gender, sexuality, disability, age, socioeconomic status, ethnicity, race, and culture. Your suggestions are encouraged and appreciated. Please let me know ways to improve the effectiveness of the course for you personally or for other students or student groups. In addition, if any of our class meetings conflict with your religious events, please let me know so that we can make arrangements for you.

10.6. Statement of Accessibility

FHSU wants to help you achieve your goals! If you have a disability that may have an impact on your ability to carry out assigned course work and if you wish to seek any accommodations for a course, you must [contact Student Accessibility Services](#). They will review your documentation and determine, with you, what academic accommodations are necessary and appropriate for you that can be accommodated for the course. All information and documentation of your disability is confidential and will not be released by Student Accessibility Services without your written permission.

10.7. Academic Honesty

Academic integrity is that any submitted work, examinations, reports, discussions, and projects must be an individual's own work and unique to the course. Students are guilty of violating academic integrity if they:

- Represent the work of others as their own (this includes copying material from the Internet for discussion postings or other assignments without proper citation)
- Use or obtain unauthorized assistance in any academic work.
- Give unauthorized assistance to other students.
- Misrepresent the content of submitted work.
- Submit work purchased from another individual or agency.
- Cheat
 - consultation of resources not authorized by the instructor during an exam
 - intentional observation of another student's test
 - receipt of a copy of an exam or assignment and/or the answers before or while in progress
 - substitution of another person for the student on a graded activity
 - falsified lab results and submission of false data

Plagiarism/dual submission: Plagiarism, whether intentional or accidental, is academic dishonesty and may incur disciplinary action ranging from receiving a zero on an assignment or failing a course to more severe consequences. Plagiarism means:



- Using someone else's ideas and not correctly citing that use. This means that if you put someone else's work into your own words, put it in your work, and do not correctly document it, the idea is plagiarized.
- Using someone else's words without quotation marks and not correctly citing that use.
- Using someone else's images or other works (such as from the Internet) without correctly citing that use.
- Submitting work that has been turned in for credit in another class or at another institution unless specifically permitted by your instructor.

Students participating in any violation of the Academic Honesty Policy must accept the consequences of their actions. You will not receive credit for the assignment/activity/exam and will be reported to the FHSU Compliance Officer. The seriousness of the violation will dictate the severity of the sanction imposed and if it will be brought to the university review/appeals committees.

FHSU Academic Honesty Policy:

https://www.fhsu.edu/academic/provost/handbook/ch_2_academic_honesty/

10.8. Withdrawal Policy

Students may withdraw full-semester (16 week) courses through 11:59:59 PM CT on the 28th/29th calendar day of the semester. Students dropping during this time period will not receive any notation on their transcript. Students who withdraw after this period and through 11:59:59 PM CT on the 70th calendar day of the semester will receive a notation on their transcript of withdrawal (W). No withdrawals after the 70th calendar day of the semester. Students who drop/withdraw completely will receive a notation on their transcript of the date dropped/withdrawn. Students receiving financial aid have additional responsibility and should contact the [Office of Student Financial Assistance](#) in Picken Hall, 785-628-4408.

FHSU Withdrawal Policy:

https://www.fhsu.edu/academic/provost/handbook/ch_7_change_enrollment/

11. UNIVERSITY SERVICES

- 11.1. Student Accessibility Services: <http://www.fhsu.edu/accessibility/>
- 11.2. Kelly Center Support Services: <http://www.fhsu.edu/kellycenter/>
- 11.3. Title IX Policy: <https://www.fhsu.edu/humanresourceoffice/Title-IX-Policy/>
- 11.4. Career Services: <http://www.fhsu.edu/career/>
- 11.5. Technology Services: <https://www.fhsu.edu/technology/>
- 11.6. Smarthinking: <http://www.fhsu.edu/virtualcollege/smarthinking/>