



# Zoology

## BIOL 260

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	BIOL 180
1.4. Location of Class	Albertson Hall (AH) 169
1.5. Class Time	MWF 10:30 – 11:20 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](mailto:amadams7@fhsu.edu)
- Office Phone Number: (785) 628-5820

#### 2.2. Contact Procedure and Policy

Please do not hesitate to contact me. Email is the best way to get a quick response. Please make sure your emails 1) come from your FHSU email, 2) are written in a professional manner, and 3) include which course/section you are in.

I have dedicated office hours, but will also 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

Integrative Animal Biology, 1<sup>st</sup> edition, Fenton et al. (2014) Nelson Publishing.  
ISBN-10: 0176502025 (eBook or hardcopy)



### **3.2. Technology Information**

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**

Survey of the animal kingdom, including invertebrates and vertebrates.

### **4.2. Instructor Course Description**

Zoology is designed to introduce you to the tremendous diversity, anatomy, physiology, and ecology of the varied groups of organisms on Earth through exposure to the vast array of structures and functions exhibited by several million different species. We will take an integrated, systems-based approach to animal biology, comparing invertebrates and vertebrates, to reinforce and expand on what you learned in Principles of Biology about different biological processes. You will not only expand your knowledge of the animal kingdom in an evolutionary context, but you will also develop your scientific communication and critical thinking skills.

### **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 AIMS**

### **5.1. Course Objectives**

- Provide students with a working knowledge of fundamental principles in zoology that will provide a foundation for future biological courses.
- Engage students with principles of zoology in an integrative manner to demonstrate interrelatedness through evolutionary history and how natural selection underpins biological processes.

### **5.2. Learning Outcomes**



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

- compare the characteristics of animals that differentiate them from other taxa;
- connect and apply related topics from separate parts of the course and integrate knowledge into your personal and professional lives.
- search, acquire, and evaluate scientific findings from primary literature;
- develop critical arguments based on scientific research and communicate it in a concise, organized manner;

## 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. Lectures assume that you have read the assigned material before class.

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 provide exposure to a wide range of information sources. I encourage you to ask questions at any time: in class, on the course Yellowdig 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 / Chapters	Reading	Assignments
<b>Week 1</b>	The Animal Kingdom	Ch. 1 – 1.1	
<b>Week 2</b>	Body Plans, Skeletons, & Development	Ch. 2 – 2.2	Writing Assignment I
<b>Week 3</b>	The Phylogeny of Animal Groups	Ch. 3 – 3.1 Ch. 4 – 4.1	
<b>Week 4</b>	Evolutionary Processes	Ch. 4.2 – 4.3	
<b>Week 5</b>	Locomotion	Ch. 7	Writing Assignment II
<b>Week 6</b>	Feeding	Ch. 8	
<b>Week 7</b>	Digestion	Ch. 9	Midterm Exam
<b>Week 8</b>	<i>No class – Spring Break</i>		
<b>Week 9</b>	Symbiosis & Parasitism	Ch. 10	Project Proposal
<b>Week 10</b>	Reproduction/Embryology	Ch. 11	
<b>Week 11</b>	Neural Integration	Ch. 15	
<b>Week 12</b>	Behavior	Ch. 17	
<b>Week 13</b>	Gaseous Exchange		Project: 1 <sup>st</sup> Draft
<b>Week 14</b>	Circulation		
<b>Week 15</b>	Excretion	Ch. 12 & 13	
<b>Week 16</b>			Project: Presentations
	Wednesday, May 15 (10:30 - 12:10)		Final Exam

### Important Dates

[FHSU Academic Calendar](#)

Week 1 begins Wednesday, January 24, 2019

Spring Break: March 11 – 15, 2019

Final Exam: May 15, 2019



## 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
<b>Participation</b>	
- <b>In-class</b>	10%
- <b>Yellowdig</b> (discussion board)	
○ <b>Assigned posts</b>	5%
○ <b>Overall participation</b>	5%
<b>Guided Readings</b>	10%
<b>Writing Assignments (2)</b>	20%
<b>Final Team Project</b>	
- <b>Report: 1<sup>st</sup> draft</b>	5%
- <b>Report: Final draft</b>	10%
- <b>Presentation</b>	10%
- <b>Individual Performance</b>	5%
<b>Exams (2)</b>	20%
<b>Total Points</b>	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; 250 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 scientific writing skills and evaluate credible resources. Each essay will be limited to 250-words long and include a minimum of one reference. You are encouraged to follow the Writing



Assignment Guidelines and Rubric closely since this document explicitly outlines how you will be graded on 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 they can be retaken as many times as you'd like.

## **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/>

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.

[FHSU Attendance Institutional Policy](#)

### **10.2. Class Participation**

Every class will require participation. You are encouraged to should 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](#)

### **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](#)

## 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/>