



BIO 120: Human Biology

Online

Semester:

Day(s):

Time(s):

Classroom:

Instructor:

Office Hours:

Office Location:

Phone Number:

Email:

Insert Picture
Here

Prerequisite/Co-requisites: Completion of foundational Math and English or DEPARTMENTAL PERMISSION

Course Description

This course introduces the principles and concepts of human biology. Topics including chemical basis of life, cellular organization and all organ systems (digestive, endocrine, cardiovascular, lymphatic, nervous and reproductive systems) will be discussed with an emphasis on how they maintain homeostasis. The lab topics of the course are coordinated with the lecture content and will include some dissection.



Course Goal

This course introduces the principles and concepts of human biology.



Required Text

- **Textbook:** Mader, Sylvia S. *Human Biology*, 16th Edition, McGraw-Hill Publishers, 2019. ISBN: 9781260482690 (loose-leaf edition) or 9781260233032 (bound edition)
- **Online Requirement:** McGraw Hill Connect Plus Access Card. The eBook is available with the Connect Card. If you choose to view the textbook in this format, purchase of the textbook is **not** required; eBook will be sufficient.
- **Lab Manual:** provided digitally under the syllabus tab
- Lab coat, approved safety glasses, dissecting kit
- Microsoft Office (free copy available in IT Department)

Student Learning Outcomes

Learning Outcomes

1. Describe basic biological concepts and principles.
2. Appreciate the different levels of biological organization, from atoms to ecosystems.
3. Identify the main structures of the 12 organ systems.
4. Connect the structures of the body systems to their functions.
5. Use lab equipment and reagents properly, maintaining a safe laboratory environment.
6. Effectively interpret and communicate scientific data and ideas, both orally and in writing.



Grading Policy

Your performance in this course is assessed using multiple, varied methods in the areas listed below and based on the expectations as described in the syllabus and outlined in assessment scoring guides or rubrics. If you do not understand the expectations, it is your responsibility to ask the instructor questions.

Quizzes	5%
Discussions	5%
Lab Report Assignments (10)	10%
Lab Practicals (3)	15%
Final Exam	20%
Exams (4)	45%
Total:	100%

Grading Key

93-100 = A	80-82 = B-	67-69 = D+
90-92 = A	77-79 = C+	63-66 = D
87-89 = B+	73-76 = C	60-62 = D-
83-86 = B	70-72 = C-	Below 60 = F



Assessment Methods

This section of the syllabus contains a listing with brief descriptions of the assessment methods for this course. They are designed to align with the student-learning outcomes and provide you with varied ways to demonstrate mastery of the course content. Additional instructions and related scoring guides or rubrics are posted to Blackboard.

Blackboard



Discussions (5%):

The discussion board is where you will have ongoing conversation with your classmates and instructor and is a graded. Plagiarism is not allowed (see below). Do not copy material from the book/internet/other resource or your classmates when answering the assignment questions or posting on the discussion board.

Discussions open on Monday 12:01 am EST and close each week on Sunday at 11:59 pm EST.

- You are required to post **4 times per week** on separate days of the week.

- Your first original post must be made **by Tuesday** of each week.
- At least one post must be in response to another student's post.
- See discussion board grading rubric for more details

General Information:

- Discussion posts cannot be made up;** the discussion will not be extended for any reason.
- Professional behavior is expected at all times. This includes respect and courtesy for the instructor and fellow students within the virtual classroom discussion board.
- Practice good study habits. **If you are having problems with any aspect of this course, I am available to help**
- Plagiarism is using someone else's words or images as your own without citing or giving credit back to the originator and is not allowed (see academic integrity). **Any posts with three or more words in a row that are not in your own words will be flagged as plagiarism. Please cite all work or a zero will be recorded.** Wikipedia or any other wiki site, about.com, ask.com, answers.com, etc are not reliable sources and are not accepted as valid sources. **Posts with use of unspecified sources will be awarded a zero.**
 - All discussions are run through SafeAssign (plagiarism checker) weekly.

General Structure:

- A minimum of 4 postings must be made for each discussion board week** – one post to the instructor's question and one post in response to a classmate's posting (value added or comment). All posts must meet the high quality /quantity post requirement (see below) to receive full credit for that week's discussion board. **All 4 postings cannot be made on the same day.** New questions will be generated each day or every other day for you to be able to post on 3 separate days. No answers can be repeated or the posting for that day will not count. The first posting to the week's chapter discussion question is due on the *Tuesday by 11:59 pm EST. Discussions open on Monday 12:01 am EST and close each week on Sunday at 11:59 pm EST.* Discussions may not be made up. Usage of

PowerPoint slides as a discussion board post will not count and result in a zero due to no original work added.

Grading:

Quality Measurement

- **High Quality:** Your contributions to each topic indicate your mastery of the materials assigned. Your responses might integrate multiple views and/or show value as a seed for reflection for other participants' responses to the thread. You provide evidence that you are reading the assigned materials and other student postings and are responding accordingly, bringing out interesting interpretations. You know the facts and are able to analyze them and handle conceptual ideas.
 - **Examples of high quality posts include:**
 - providing additional information to the discussion;
 - elaborating on previous comments from others;
 - presenting explanations of concepts or methods to help fellow students,
 - presenting reasons for or against a topic in a persuasive fashion,
 - sharing your own personal experiences that relate to the topic, and providing a URL and explanation for an area you researched on the Internet. (NO WIKIS as an internet source)
- **Medium Quality:** Your responses build on the ideas of another participant (or more) and dig deeper into assignment questions or issues. When you make intelligent posts during the week, including some good critique of the course material, then you have demonstrated you have an understanding of the material, are reading posts of your colleagues, and are contributing to the class. Your posts demonstrate confidence with the materials, but may be just a bit off target in one area or another.
- **Low Quality:** You have meaningful interaction with other participants' postings. Posts that state



Quizzes (5%): Weekly quizzes in both lecture and lab will be given. Please see outline.

I agree or I disagree include an explanation of what is disagreed or agreed upon and why, or introduce an argument that adds to the discussion. However, you may have rambling, lengthy posts that show no sign of having been re-read and refined before posting, and your writing suffers lack of clarity and comprehension.

- **Unsatisfactory Quality:** You will receive little credit in the week's discussion by just showing up and making trivial comments, without adding any new thought to the discussion. At the low end of the spectrum, no participation gets a "0." If you are not in the discussion, you do not earn any points.

Frequency:

- You must post to each graded thread based on the requirements each week. You must submit your **first post of the week no later than Tuesday, 11:59 pm EST**. I encourage you to post earlier and post often in order to keep up with the discussions; they develop rapidly.

Quantity:

- In order to meet the quality requirements, a post will be at least a paragraph in length (~ 100 - 200 words). **One to four sentence posts will not be sufficient to receive full credit** for that posting day. You will find that some topics call for lengthier responses.

Accuracy:

- Your posts must be free of spelling and grammatical errors. Paragraph format must be used. Please use the Spell Check provided by Blackboard.



Lab Report (10%): Weekly lab reports will be assigned and count toward the portion of your lab grade.



Lab Practicals (15%): Three lab practicals will be given throughout the semester to test knowledge on

information given on lab information. All dates are on the included outline. Each practical is worth 5% each.



Final Exam (20%): The final exam will take place during week 15. All final exams, including ones for accommodations, must be completed by the date of the final exam.



Exams (45%): Please view attached outline for exam dates. Any missed exams will result in a grade of 0 for that exam – unless there are serious extenuating personal circumstances. Make ups are given at the discretion of the faculty member.



All Assignments:

All assessments take place online. There will be no resetting or retaking of any graded content. Online course work (exams, quizzes, practicals) that is not taken/completed during the allotted time will result in a zero for the course work. Assignments are due each week by Sunday, 11:59 P.M. EST.

You may work with other students, but any graded submissions need to be your own individual work.

If you have taken the course before, all graded submissions need to be redone.

Course Outline / Class Schedule*

All submissions are due on the Sunday of the week at 11:59pm.

Week Mon. – Sun.	Readings and Activities	Assignments to Submit (check off as you complete)
1	1. Read and view PowerPoint for Ch. 2 Chemistry 2. View Getting Started section on esciencelabs.com 3. Complete Lab 1 (Introduction to Science)	<input type="checkbox"/> Introduce yourself on discussion board <input type="checkbox"/> Participate in Week 1 Discussion <input type="checkbox"/> Take Quiz on Chapter 2 <input type="checkbox"/> Complete Week 1 Lab Report
2	1. Read and view PowerPoint for Ch. 3 Cells 2. Complete Lab 2 (Basic Biochemistry) 3. Complete Lab 3 (Cellular Anatomy/Physiology)	<input type="checkbox"/> Take Quiz on Chapter 3 <input type="checkbox"/> Participate in Week 2 Discussion <input type="checkbox"/> Complete Week 2 Lab Report
3	1. Read and view PowerPoint for Ch. 4 Organization and Integumentary System 2. Complete Lab 4 (Metabolism)	<input type="checkbox"/> Take Quiz on Chapter 4 <input type="checkbox"/> Participate in Week 3 Discussion <input type="checkbox"/> Complete Week 3 Lab Report
4	1. Read and view PowerPoint for Ch. 5 Cardiovascular System 2. Complete Lab 12: Exercises 4 & 6 (CV System)	<input type="checkbox"/> Take Exam 1 (on chpts. 2, 3, & 4) <input type="checkbox"/> Complete Week 4 Lab Report <input type="checkbox"/> Take Quiz on Chapter 5
5	1. Read and view PowerPoint for Ch. 6 Blood	<input type="checkbox"/> Take Quiz on Chapter 6 <input type="checkbox"/> Participate in Week 5 Discussion <input type="checkbox"/> Take Lab Practical 1 - Labs 1,2,3,4,12 (exp 4 and 6)
6	1. Read and view PowerPoint for Chapter 7 2. Complete Lab 12: experiment 1 and 2 (Blood) 3. Complete Lab 15 (Immunology)	<input type="checkbox"/> Take Quiz on Chapter 7 <input type="checkbox"/> Participate in Week 6 Discussion <input type="checkbox"/> Complete Week 6 Lab Report
7	1. Read and view PowerPoint for Ch. 9 Digestion 2. Complete Lab 14 (Nutrition)	<input type="checkbox"/> Take Exam 2 (on Chpts. 5, 6, 7) <input type="checkbox"/> Complete Week 7 Lab Report <input type="checkbox"/> Take Quiz on Chapter 9
8	1. Read and view PowerPoint on Ch. 10 & 11 Respiratory and Urinary Systems 2. Complete Lab 12: exp. 3 & 5 (Respiratory) 3. Complete Lab 13 (Excretory System)	<input type="checkbox"/> Take Quiz on Chapters 10 & 11 <input type="checkbox"/> Participate in Week 8 Discussion <input type="checkbox"/> Complete Week 8 Lab Report
9	1. Read and view PowerPoint for Chapter 14 Nervous System	<input type="checkbox"/> Take Quiz on Chapter 14 <input type="checkbox"/> Participate in Week 9 Discussion <input type="checkbox"/> Take Lab Practical 2 - Lab 12 [exp: 1,2,3,5], 13,14,15
10	1. Read and view PowerPoint for Chapter 12 Skeletal System 2. Complete Lab 8 (Anatomical Orientation) 3. Complete Lab 10 (Nervous System)	<input type="checkbox"/> Take Exam 3 (on Chpts 9, 10, 11 & 14) <input type="checkbox"/> Complete Week 10 Lab Report <input type="checkbox"/> Take Quiz on Chapter 12
11	1. Read and view PowerPoint for Chapter 13 Muscular System 2. Complete Lab 11 (Musculoskeletal System)	<input type="checkbox"/> Take Quiz on Chapter 13 <input type="checkbox"/> Participate in Week 11 Discussion <input type="checkbox"/> Complete Week 11 Lab Report
12	1. Read and view PowerPoint for Chapter 17 Reproductive System 2. Complete Lab 9: exp 1 & 4 (Develop Bio) 3. Complete Virtual Pig Dissection tutorial	<input type="checkbox"/> Take Quiz on Chapter 17 <input type="checkbox"/> Participate in Week 12 Discussion <input type="checkbox"/> Complete Week 12 Lab Report
13	1. Read and view PowerPoint for Chapter 16 Endocrine System	<input type="checkbox"/> Take Quiz on Chapter 16 <input type="checkbox"/> Participate in Week 13 Discussion <input type="checkbox"/> Take Lab Practical 3 - Labs 8,9, 10, 11 & Virtual Pig Dissection
14	1. Study for Exam 4 and cumulative Final Exam 2. Final opens	<input type="checkbox"/> Take Exam 4 (on Chpts. 12, 13, 16 & 17)
15	1. Final Exam Closes	<input type="checkbox"/> Take Final Exam due (Cumulative - all chapters, 200 questions/3 hours)

**This syllabus is subject to change. Changes, if any, will be announced in class and on Blackboard.*

Be sure to check Blackboard and your Goodwin email regularly!

Class Policies



Class Meetings: Please refer to the course outline for schedule of meeting dates and holidays. Regular attendance and participation in class is expected



Blackboard: Blackboard contains class materials such as PowerPoints, worksheets, media, and links for submitting assignments. Be sure to **check Blackboard often** to stay up to date on announcements, new course materials, and other important information. **All assignments must be submitted on Blackboard.**

*BB issues contact bbsupport@goodwin.edu or call 860-913-2152



Late Assignments: Per department policy, all work is expected to be handed in on time. Any work submitted to the instructor after the due date will result in a zero for that particular assignment. Late assignments or make-up exams are not permitted except when there are documented extenuating circumstances (i.e., medical and family emergencies), and the instructor has been notified 24 hours before or after the deadline.

Deadlines are an integral part of all professional careers. Please manage your time and complete all coursework thoroughly and on time. Per department policy, any work submitted to the instructor after the due date will result in a zero for that particular assignment. Be mindful of all due dates on the syllabus schedule to avoid missing any assignment(s).



Laptops and Tablets:

- Firefox is the recommended browser for Blackboard
- Online components of Blackboard may not be compatible with smart phones or tablets.
- No electronics, including but not limited to cell phones and smart watches, can be on person during quizzes, exams, lab practical, or the final exam.
- Laptops and tablets should be used only for academic purposes, playing games and watching videos are disruptive to other students and does not promote a learning environment.
- Earbuds or similar should not be worn in lecture or lab for safety purposes. This does not include any hearing devices required for auditory impairments per the ADA.

You have my permission to audio record the lecture, please place recording device/phone on the table near instructor. Photography or video recordings are NOT permitted at any time.



Technical Difficulties: For Blackboard technical problems in the course, contact by email: bbsupport@goodwin.edu or phone: **(860) 913-2152**. For McGraw Hill technical problems in the course, contact by phone at 1-800-331-5094 or website at <http://mpss.mhhe.com/contact.php>



SafeAssign/TurnItIn: It is a program the Instructors use to read posts. Posts that are copied or plagiarized show up underlined in red. This will tell the instructor that you did not write this information. You will be given a zero for any post that shows up in red.

- All written work submitted (exams, exam essays, lab practical answers, lab report assignments or discussion posts) will be opened in SafeAssign/TurnItIn and checked for plagiarism. Emailing of assignments is not allowed. They will not be graded unless submitted in the proper format.



Course Decorum: We will create a positive environment in the classroom. There is an expectation of respect and professionalism (i.e., demonstrate respect for instructors, peers, and self, participate in classroom activities, and follow course and university policies). Examples of proper decorum include and are not limited to:

1. Attending each lecture and lab session
2. Being present and fully engaged while in class
3. Demonstrating and practicing respectful behaviors to one's peers and the instructor
4. Abiding by Goodwin University's academic integrity policy.



Communication and E-mail: Students are expected to communicate in a professional manner (i.e., verbal, written, and electronic). I will send course updates and announcements through Blackboard so please **check your Goodwin e-mail account regularly**. Due to FERPA regulations, instructors can only answer questions pertaining to one's course through the Goodwin University email system.



APA Style: This course follows APA style format for all written assignments. All written assignments must be produced using software that is compatible with Blackboard. Assessment of written assignments will include use of APA format, writing, grammar, quotations, and references. APA Style Central is also available at <http://apastylecentral.apa.org/>, the course Blackboard shell, and through the Hoffman Family Library.

Expectations for Written Work: The following are basic expectations for all written work:

1. One-inch margin for all sides of the page (e.g., top, bottom, left, and right side of the page).
2. The font is 12 point.
3. The paper is double spaced.
4. The first page of the paper includes:
 - ✓ Your full name
 - ✓ The date of submission

Goodwin University Policies and Services

This course adheres to all policies outlined in the Goodwin University catalog.

General academic policies of Goodwin University may be found on the university web site at and in the university catalog at

<http://www.goodwin.edu/academics/catalogs.asp>.

Student services information may be found on the Goodwin University website at <http://www.goodwin.edu/student-services/> and <http://www.goodwin.edu/library/>.