

<b>Course ID:</b>	<b>Course Title:</b>	<b>Fall 2019</b>
<b>263</b>	<b>Human Physiology II</b>	<b>Prerequisite:</b>
		<b>Credits: 3</b>

Class Information		Instructor Information		Important Dates	
<b>Days:</b>	Tue/Thu	<b>Instructor:</b>	Dr Damilola D. Adingupu PhD	<b>First day of classes:</b>	Tue, Jan 7
<b>Time:</b>	8:15 - 9:30 am	<b>Email:</b>	<a href="mailto:Dami.Adingupu@ambrose.edu">Dami.Adingupu@ambrose.edu</a>	<b>Last day to add/drop, or change to audit:</b>	Sun, Jan 19
<b>Room:</b>		<b>Phone:</b>	403-401-4871	<b>Last day to request revised final exam:</b>	Monday, Mar 9
<b>Lab/ Tutorial:</b>	Fridays	<b>Office:</b>	L2019	<b>Last day to withdraw from course:</b>	Friday , Mar 20
	8:15-11:00am	<b>Office Hours:</b>	By appointment	<b>Last day to apply for coursework extension:</b>	Mon, Mar 30
<b>Final Exam:</b>				<b>Last day of classes:</b>	Thur, Apr 9

### Course Description

The basic structure and function of body systems - including blood and immunity, as well as the cardiovascular, respiratory, digestive, and urinary systems.

### Expected Learning Outcomes

1. Students will be able to discuss the anatomy and physiology of the basic human systems including the cardiovascular, immune, respiratory, digestive, and urinary systems.
2. Students will learn laboratory techniques essential to research in physiology.

### Textbooks

Human Anatomy & Physiology (11th edition) by Elaine N. Marieb & Katja Hoehn, published by Pearson.

Recommended by not required: Human Physiology: from cells to systems by Lauralee Sherwood 6th Ed.

## Tentative Course Schedule

Date	Lecture/ lab Schedule	Textbook Chapter and page
7 <sup>th</sup> Jan	Blood	17 pg 642 to 657
9 <sup>th</sup> Jan	Blood and Hemostasis	17 pg 642 to 667
10 <sup>th</sup> Jan	No labs	
14 <sup>th</sup> Jan	Cardiovascular System 1: The Heart	18 pg 671 to 684
16 <sup>th</sup> Jan	Cardiovascular System 2: Conduction System of the Heart	18 pg 685 to 702
17 <sup>th</sup> Jan	<b>Lab 1:</b> Blood labs	
21 <sup>st</sup> Jan	Cardiovascular System 3: The Vascular System	19 pg 707 to 715
23 <sup>rd</sup> Jan	Cardiovascular System 4: Pressure-Flow relationships	19 pg 716 to 731
24 <sup>th</sup> Jan	<b>Lab 2:</b> Quiz and Cardiovascular labs	
28 <sup>th</sup> Jan	Lymphatic system	20 pg 767 to 778
30 <sup>th</sup> Jan	<b>Program Day (no daytime classes)</b>	
31 <sup>st</sup> Jan	<b>Exam Review Tutorial</b>	
4 <sup>th</sup> Feb	<b>Midterm 1</b>	
6 <sup>th</sup> Feb	Immune system: Innate	21 pg 782 to 790
7 <sup>th</sup> Feb	<b>Tutorial: Case studies review</b>	
11 <sup>th</sup> Feb	Immune system: Adaptive	21 pg 790 to 814
13 <sup>th</sup> Feb	Respiratory System: Functional anatomy	22 pg 819 to 834
14 <sup>th</sup> Feb	<b>Lab 3:</b> Respiratory lab	
18 <sup>th</sup> Feb	<b>Reading Week No Classes</b>	
20 <sup>th</sup> Feb	<b>Reading Week No Classes</b>	
21 <sup>st</sup> Feb	<b>Reading Week No Classes</b>	
25 <sup>th</sup> Feb	Respiratory System: Respiratory physiology	22 pg 835 to 847
27 <sup>th</sup> Feb	Respiratory System: Gas transport system	22 pg 847 to 863
28 <sup>th</sup> Feb	<b>Tutorial: Case Study Presentations</b>	
3 <sup>rd</sup> Mar	Exam review tutorial	
5 <sup>th</sup> Mar	<b>Midterm 2</b>	
6 <sup>th</sup> Mar	<b>Tutorial</b>	
10 <sup>th</sup> Mar	Digestive system	23 pg 869 to 889
12 <sup>th</sup> Mar	Digestive system	23 pg 889 to 911
13 <sup>th</sup> Mar	<b>Lab 4:</b> Digestion lab	
17 <sup>th</sup> Mar	Digestive system	23 pg 912 to 919
19 <sup>th</sup> Mar	Nutrition, Metabolism and Energy Balance	24 pg 927 to 945
20 <sup>th</sup> Mar	<b>Tutorial</b>	
24 <sup>th</sup> Mar	Nutrition, Metabolism and Energy Balance	24 pg 946 to 968
26 <sup>th</sup> Mar	Urinary System	25 pg 974 to 995
27 <sup>th</sup> Mar	<b>Lab 5:</b> Renal Function (Formal lab report required)	
31 <sup>st</sup> Mar	Urinary System	25 pg 995 to 1007
2 <sup>nd</sup> Apr	Fluid, electrolyte and Acid-Base Balance	26 pg 1013 to 1021
3 <sup>rd</sup> Apr	<b>Tutorial</b>	
7 <sup>th</sup> April	Fluid, electrolyte and Acid-Base Balance	26 pg 1021 to 1035

9 <sup>th</sup> April	<b>Exam review tutorial</b>	
Insert date	Final Exam Schedule will be available January 30 through the Office of the Registrar.	

## Requirements

<b>Mark Distribution</b>	:	2 Midterm Exams	50% (25% each)
		Two Laboratory Reports	10% (5% each)
		Quiz	5%
		Presentation	5%
		Final Exam	30%

The midterm and final exam will be a combination of multiple-choice questions, as well as short and long answer questions. While most questions will be based on lecture material, the textbook reading will absolutely help in the understanding of this material.

## Labs

You will have five practical lab session through the term, and you will write a formal lab report for two of these labs. Tutorials will run on the weeks that do not have a lab session.

Attendance at the laboratory sessions is **COMPULSORY**. Any lab missed without a valid excuse cannot be made up. Lab coats are required.

## Case Study Presentation

Sign up in class for group and choice of case study. This will be an oral presentation with PowerPoint, by three or four individuals (depending on class size). Total time: 20-25 minutes: 20-minute presentation (four or five minutes per presenter), five-minute Q&A.

NOTE: The Case Study PowerPoint must be submitted by Monday 24<sup>th</sup> Feb at 11pm at the latest.

## Attendance:

Attendance at all lectures is strongly recommended, this will help ensure success on lab assignments and exams. Attendance is mandatory at all labs and tutorials. Lab assignments will not be accepted unless the lab has been attended or exceptions have been made with the instructor. An absence for an exam or presentation requires that a note be provided from a medical authority before the student may complete the test. If absences for an extended period of time occur the instructor should be notified.

## Grade Summary:

The available letters for course grades are as follows:

<u>Letter Grade</u>	<u>Grade Percentage</u>	<u>Description</u>
A+	96-100%	
A	92-96%	Excellent
A-	88-92%	
B+	83-88%	
B	78-83%	Good
B-	73-78%	
C+	68-73%	
C	64-68%	Satisfactory
C-	60-64%	
D+	55-60%	
D	51-55%	Minimal Pass
F	Below 50%	Failure

Because of the nature of the Alpha 4.00 system, there can be no uniform University-wide conversion scale. The relationship between raw scores (e.g. percentages) and the resultant letter grade will depend on the nature of the course and the instructor's assessment of the level of each class, compared to similar classes taught previously.

Please note that final grades will be available on student registration system. Printed grade sheets are not mailed out.

## Late Work

In general, late work is accepted but penalized by a loss of 0.5% per day. If you have a spectacularly good excuse for being late, let me know as soon as possible and I'll consider waiving the penalty.

## Academic Integrity – Cheating and Plagiarism

For exams, working with other students is NOT allowed. For all other assignments, working together IS allowed (unless stated otherwise). If you use any sources other than your instructor, classmate, textbook, or lab handout, please cite them

It is your responsibility to ensure that all work you submit is original and that credit is given to ideas that are not your own. See below for Ambrose's statement defining plagiarism and outlining its consequences. While you will be working with at least one partner during labs, it is expected that you each hand in your own, individual assignment that is your own original work.

Examples of plagiarism include, but are not limited, to:

1. Copying an assignment from someone else and submitting it as your own work.
2. Working with a friend and writing down identical answers, whether you understand the content or not, and submitting the assignments separately.
3. Quoting directly from a source without supplying quotation marks or a citation.
4. Quoting directly from a source without supplying quotation marks, even if it is referenced.

5. Submitting an assignment in which >30% of the content is properly quoted; that is, at least 70% of the words in an assignment need to be your own. A general rule of thumb: for every line quoted, there should be three lines of your own material explaining that quote.
6. Submitting the same or similar assignment for more than one class, or more than one iteration of the same class.

### Penalties for plagiarism

For a first offense in any one of my classes, a zero on the assignment with no chance of rewriting it, and a note in your academic file.

For a second offense in any one of my classes, a zero in the class, and recommendation for a note on your transcript.

For a third offense in any one of my classes, a zero in the class and a recommendation for expulsion from the university.

Note that Ambrose has an appeal process in place if you feel that allegations of plagiarism are unfounded; these are for final marks only, and not for individual assignments.

Note that my record of a student's past plagiarism does not reset with each semester.

### HOW TO POSITION YOURSELF FOR ACADEMIC SUCCESS

1. Come to lecture, labs and tutorials – People learn in many ways, some are auditory learners, some visual learners, some tactile, but most of us use a combination of all of these. I will try use a combination of these in class, therefore attending increases your opportunities for learning.
2. Note Taking – Reading over your notes within 24 hours after class and supplementing with more detail from the text will greatly enhance your retention of the material. I would suggest taking lecture notes in one color and using contrasting color for 'added' material.
3. Keep up with the reading material – Lectures will not always cover all the material, so your text is an important resource. Focus on the summary charts, bold or highlighted items, and end of chapter reviews. Supplement your lecture notes with points from your readings. The text provides a wealth of visual illustrations and additional web-based resources. Utilize all of these resources to help you learn. There is sometimes a tendency to go into a studying slump after mid-semester.

Just like in a race, do not let up until the finish line!

4. Do your laboratory report –You can expect to see question similar to your lab report to appear on quizzes and exams.
5. Form study groups – Study groups can help you learn while making new friends. Often students can learn as much from their peers as from the professor. When you can explain a concept to someone else then you know that you really know it.
6. Ask for help – Students ARE NOT an interruption from my work, but the reason for it! Visit me during office hours, send an email or make an appointment. Sometimes that extra bit of explanation makes all the difference.

### And Remember;

**You can do all things through Christ who strengthens you**

**Philippians 4:13**

## Ambrose University Academic Policies:

### Communication

All students have received an Ambrose e-mail account upon registration. It is the student's responsibility to check this account regularly as the Ambrose email system will be the professor's instrument for notifying students of important matters (cancelled class sessions, extensions, requested appointments, etc.) between class sessions. If students do not wish to use their Ambrose accounts, they will need to forward all messages from the Ambrose account to another personal account.

### Registration

During the **Registration Revision Period** students may enter a course without permission, change the designation of any class from credit to audit and /or voluntary withdraw from a course without financial or academic penalty or record. Courses should be added or dropped on the student portal by the deadline date; please consult the List of Important Dates. After that date, the original status remains and the student is responsible for related fees.

Students intending to withdraw from a course after the Registration Revision Period must apply to the Office of the Registrar by submitting a "Request to Withdraw from a Course" form or by sending an email to the Registrar's Office by the **Withdrawal Deadline**; please consult the List of Important Dates on the my.ambrose.edu website. Students will not receive a tuition refund for courses from which they withdraw after the Registration Revision period. A grade of "W" will appear on their transcript.

Students wishing to withdraw from a course, but who fail to do so by the applicable date, will receive the grade earned in accordance with the course syllabus. A student obliged to withdraw from a course after the Withdrawal Deadline because of health or other reasons may apply to the Registrar for special consideration.

### Exam Scheduling

Students, who find a conflict in their exam schedule must submit a Revised Examination Request form to the Registrar's Office by the deadline date; please consult the List of Important Dates. Requests will be considered for the following reasons only: 1) the scheduled final examination slot conflicts with another exam; 2) the student has three final exams within three consecutive

exam time blocks; 3) the scheduled final exam slot conflicts with an exam at another institution; 4) extenuating circumstances. Travel is not considered a valid excuse for re-scheduling or missing a final exam.

### Electronic Etiquette

Students are expected to treat their instructor, guest speakers, and fellow students with respect. It is disruptive to the learning goals of a course or seminar and disrespectful to fellow students and the instructor to use electronics for purposes unrelated to the course during a class session. Turn off all cell phones and other electronic devices during class. Laptops should be used for class-related purposes only. Do not use iPods, MP3 players, or headphones. Do not text, read, or send personal emails, go on Facebook or other social networks, search the internet, or play computer games during class. Some professors will not allow the use of any electronic devices in class. The professor has the right to disallow the student to use a laptop in future lectures and/or to ask a student to withdraw from the session if s/he does not comply with this policy. Repeat offenders will be directed to the Dean. If you are expecting communication due to an emergency, please speak with the professor before the class begins.

### Academic Policies

It is the responsibility of all students to become familiar with and adhere to academic policies as stated in the Academic Calendar. Personal information (information about an individual that may be used to identify that individual) may be required as part of taking this class. Any information collected will only be used and disclosed for the purpose for which the collection was intended. For further information contact the Privacy Compliance Officer at [privacy@ambrose.edu](mailto:privacy@ambrose.edu).

### Extensions

Although extensions to coursework in the semester are at the discretion of the instructor, students may not turn in coursework for evaluation after the last day of the scheduled final examination period unless they have received permission for a course Extension from the Registrar's Office. Requests for course extensions or alternative examination time must be submitted to the Registrar's Office by the deadline date; please consult

the List of Important Dates. Course extensions are only granted for serious issues that arise “due to circumstances beyond the student’s control.”

### **Appeal of Grade**

An appeal for change of grade on any course work must be made to the course instructor within one week of receiving notification of the grade. An appeal for change of final grade must be submitted to the Registrar’s Office in writing and providing the basis for appeal within 30 days of receiving notification of the final grade, providing the basis for appeal. A review fee of \$50.00 must accompany the appeal. If the appeal is sustained, the fee will be refunded.

### **Academic Integrity**

We are committed to fostering personal integrity and will not overlook breaches of integrity such as plagiarism and cheating. Academic dishonesty is taken seriously at Ambrose University as it undermines our academic standards and affects the integrity of each member of our learning community. Any attempt to obtain credit for academic work through fraudulent, deceptive, or dishonest means is academic dishonesty. Plagiarism involves presenting someone else’s ideas, words, or work as one’s own. Plagiarism is fraud and theft, but plagiarism can also occur by accident when a student fails or forgets to acknowledge to another person’s ideas or words. Plagiarism and cheating can result in a failing grade for an assignment, for the course, or immediate dismissal from the university. Students are expected to be familiar with the policies in the current Academic Calendar that deal with plagiarism, cheating, and the penalties and procedures for dealing with these matters. All cases of academic dishonesty are reported to the Academic Dean and become part of the student’s permanent record.

**Note:** Students are strongly advised to retain this syllabus for their records.