

<b>Course ID:</b>	<b>Course Title:</b>	<b>Fall 2018</b>
<b>KIN 323</b>	<b>Integrative Physiology</b>	<b>Prerequisite: ZOO 261 and 263</b>
		<b>Credits: 3</b>

Class Information		Instructor Information		Important Dates	
<b>Days:</b>	Monday/Wednesday	<b>Instructor:</b>	Dr. Megan C Hallam, PhD	<b>First day of classes:</b>	Wed., Sept 5
<b>Time:</b>	4:30-5:45 pm	<b>Email:</b>	<a href="mailto:mhallam@ambrose.edu">mhallam@ambrose.edu</a>	<b>Last day to add/drop, or change to audit:</b>	Sun, Sept 16
<b>Room:</b>	A2210	<b>Phone:</b>	403-410-2000 ext 6905	<b>Last day to request revised exam:</b>	Mon, Oct 22
<b>Lab/ Tutorial:</b>	None	<b>Office:</b>	L2107	<b>Last day to withdraw from course:</b>	Mon, Nov 12
		<b>Office Hours:</b>	Thursday/Friday, by appointment	<b>Last day to apply for coursework extension:</b>	Mon, Nov 19
<b>Final Exam:</b>	Wednesday December 12, 9:00-11:00, A2133			<b>Last day of classes:</b>	Tue, Dec 11

### Course Description

This advanced physiology course will enhance previous knowledge on body systems by discussing how different body systems interact with each other – including cardio-pulmonary and cardio-renal interactions, as well the integrated body effects of stress, exercise, growth, and disease.

Credit for both Zoology 323 and Kinesiology 323 will not be allowed.

### Expected Learning Outcomes

1. To gain an understanding of the integrative nature of human physiology and how this interaction relates to the concept of homeostasis and its mechanisms.
2. To describe the interrelationships between various systems in the human body, and the clinical relevance of these relationships in disease.
3. To analyze the effects of exercise and extreme environments on the human body.
4. To provide a framework for problem-solving using the principles of integrative physiology.

## Textbooks

Principles of Human Anatomy and Physiology, 14<sup>th</sup> Ed. or later, by Gerard Tortora and Bryan Derrickson.

You may also use Human Physiology: from cells to systems by Lauralee Sherwood 5<sup>th</sup> Ed. or later. Also on reserve in the library.

## Course Schedule, Subject to change

Date	Lecture Schedule	Textbook Chapter (Sherwood chapters)
Sept 5	Introductions	
Sept 10	Hormonal Control; Metabolism	18; 25 (18; 19)
Sept 12	Energy Balance & Metabolic Disease	25 (17)
Sept 17	Diabetes	18 (19)
Sept 19	Liver Disease	24 (16)
Sept 24	Pancreatic Failure	24, 18 (16, 19)
Sept 26	pH disorders	27 (15)
Oct 1	Kidney Disease	26, 27 (14)
Oct 3	No Class, Spiritual Emphasis Days	
Oct 8	No Class, Thanksgiving	
Oct 10	Midterm 1	
Oct 15	Blood pressure & oxygen balance, Case Studies	21, 23 (10, 13)
Oct 17	CV-Respiratory-Renal Interactions, Case Studies	21, 23, 26/27 (9, 13, 14, 15)
Oct 22	Physiology of Aging	A few pages from many chapters
Oct 24	Exercise Physiology, Case Studies	A few pages from many chapters
Oct 29	Steroids	(18)
Oct 31	Pregnancy	29 (20)
Nov 5	No Class, Reading Week	
Nov 7	No Class, Reading Week	
Nov 12	Thermal Physiology & Regulation	25 (17)
Nov 14	Midterm 2	
Nov 19	Dehydration	27 (15)
Nov 21	Case Studies	
Nov 26	Extreme Environment Physiology	(13)
Nov 28	Case Studies	

Dec 3	Stress Physiology	18, 22 (19)
Dec 5	Case Studies	
Dec 10	Review	

### Requirements:

Midterm 1, Oct 10, 25%

Midterm 2, Nov 14, 25%

Case Study Presentation, Multiple dates, Sign up in class, 20%

NOTE: The Case Study PDF must be submitted 1 week prior to your presentation

Final Exam, Dec 12, 30%

Turnitin will be used for the Case Study Presentation assignments. This web-based tool will compare your work with numerous sources, including your fellow students, to check for plagiarism. Please ensure you are handing in your own original work and properly citing appropriate sources. A report will be provided to you on Moodle on the due date of the assignment.

Late presentations may be handed in/presented within one class of your originally scheduled presentation. Late marks will be deducted (10% per day) until the presentation is submitted on Moodle.

### Attendance:

Attendance at all lectures and tutorials is strongly recommended, this will help ensure success on exams. 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:

#### Letter Grade Percentage Description

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.

### **Plagiarism Policy:**

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 and your partner will submit 1 PowerPoint Presentation for your Case Study, each student will submit separate

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 appeals 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.

## 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.