



Class Information		Instructor Information		First day of classes:	Wed., Jan. 6, 2016
Days:	TR	Instructor:	Megan Hallam, PhD	Last day to add/ drop/change to audit:	Sun., Jan. 17, 2016
Time:	8:15-9:30	Email:	mhallam@ambrose.edu	Last day to request revised exam:	Mon., Feb. 29, 2016
Room:	A2141	Phone:		Last day to withdraw from course:	Fri., Mar 18, 2016
Lab/Tut:		Office:	A2158	Last day to apply for time extension for coursework:	Mon., Mar. 28, 2016
Final Exam: Tuesday April 19 9:00 – 11:00 am, A2210		Office Hrs:	By appointment	Last day of classes:	Wed., April 13, 2016

**Textbook:** None

**Course Description:**

This course will teach the physiological and anatomical in the human body through development and childhood, as well as discussing the changes seen with aging. It will teach the effects of aging on body physiology and psychology, and discuss possible physical therapies to counter these effects.

**Expected Learning Outcomes:**

1. Understand the biological aspects in the stages and patterns of human growth and development.
2. Describe the phases of structural tissues and their role in physiological function in growth and development.
3. Understand inter-individual differences in growth, development and maturation.
4. Understand the regulatory factors influencing growth, development and maturation.
5. Understand the role of physical activity in growth, development and aging.
6. Describe some of the theories related to cellular aging.
7. Understand the physiological changes with aging and the effects on physical activity and capacity.

**Course Schedule:**

Week 1 (Jan 7): Introductory Concepts

Week 2 (Jan12): Prenatal Growth

Week 3 (Jan 19): Maternal Exercise during pregnancy

Cardiovascular and respiratory changes at birth

Gastrointestinal development

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Week 4 (Jan 26): Somatic Growth

Development of Physique

Motor Development

Week 5 (Feb 2): Muscle, bone and adipose

Review

Week 6 (Feb 9): **Midterm 1**

Growth in aerobic capacity

Week 7 (Feb 16): Reading Week

Week 8 (Feb 23): Growth in anaerobic capacity

Thermoregulation in growth

Week 9 (Mar 1): Hormonal regulation

Week 10 (Mar 8): Physical activity and growth

**Midterm 2**

Week 11 (Mar 15): Cellular basis of aging

Week 12 (Mar 22): Muscle, bone and adipose in aging

Week 13 (Mar 29): Cardiovascular and respiratory changes in aging

Week 14 (Apr 5): Aging, disease and physical activity

Review

Week 15 (Apr 12): Online review class

## Requirements:

Written portions of assignments should be completed using a word processor and be double spaced using Times New Roman, Arial or similar, in a 12-point font. A hard copy must also be handed in and the student may choose whether to print the assignment single- or double-sided; assignments must be **stapled** in the top left hand corner. Please include a cover page for the paper which includes the name of the assignment, student name, class, professor's name and date; an example will be provided. Unless stated otherwise, all assignments are to be done using full sentences and proper spelling and grammar. Any spelling and/or grammatical errors will result in a 0.5 point deduction per unique error on the assignment.

All assignments must be handed in electronically using Moodle in .doc or .docx format. Moodle cannot accept Pages files from Mac computers. Turnitin will be used for the Conditions in Growth and Maturation Paper. 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 assignments: late assignments will be accepted until 5 days after the due original due date. For each day an assignment is late 10% will be deducted from the grade earned on the assignment. Late assignments should be uploaded to Moodle and an e-mail should be sent to the professor to indicate the assignment has been uploaded.

## Evaluation

Student Questions 1, February 2 (Hand in 2 out of 3, 10% each)

Midterm 1, February 9 – 20%

Student Questions 2, March 8

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Midterm 2, March 15 – 20%

Conditions in Growth and Maturation Paper, between January 28 and March 31 – 20%

Student Questions 3, April 5

Final Exam, April 19 – 20%

### Attendance:

As this course does not have a required text, attendance at lectures is **STRONGLY** recommended and will help ensure success on course exams and assignments. Lectures will include material and explanation not available in PowerPoint slides that will be testable.

### Grade Summary:

The available letters for course grades are as follows:

<u>Letter Grade</u>	<u>Percentage</u>	<u>Description</u>
A+	97-100%	
A	93-96%	Excellent
A-	89-93%	
B+	83-89%	
B	77-82%	Good
B-	70-76%	
C+	67-69%	
C	63-66%	Satisfactory
C-	60-62%	
D+	54-59%	
D	50-53%	Minimal Pass
F	Below 50%	Failure

Because of the nature of the Alpha 4.00 system, there can be no uniform College-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.

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## 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.

### Exam Scheduling

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.

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 college. 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.