



Course Outline

UNIVERSITY STUDIES

PEDS 101

Essentials of Human Physiology

Fall, 2013

**3 CREDITS
3 HOURS PER WEEK**

INSTRUCTOR: Michael Scarlett

INSTRUCTOR: Michael Scarlett
PHONE NUMBER: (780) 791-4824
E-MAIL: michael.scarlett@keyano.ca
OFFICE NUMBER: S213E

OFFICE HOURS:

Monday 10:00- 10:50
Tuesday 10:00- 10:50
Thursday 10:00- 10:50
Friday 08:00- 09:50

HOURS OF INSTRUCTION:

Monday 12:00 - 12:50 pm Room 215
Tuesday 12:00 - 12:50 pm Room S212
Wednesday 12:00 - 12:50 pm Room 195

COURSE DESCRIPTION:

The course provides an introduction to human physiology from cellular to systemic level, with special emphasis on systems which adapt to exercise stress

COURSE OUTCOMES:

At the conclusion of the course the student will be able to:

1. Discuss basic physiological concepts and processes.	Evaluation in class with exams.
2. Define basic structure-function relationships that exist within the human body.	Evaluation in class with exams.
3. Describe the regulation of various physiological systems that comprise the human body.	Evaluation in class with exams.

REQUIRED RESOURCES (Textbook):

Stanfield, Cindy L. (2013). *Principles of Human Physiology*. 5th Edition, San Francisco: Pearson.

TOPICS TO BE COVERED:

Please Note:

This course outline may be modified to facilitate unforeseen time constraints. Date and time allotted to each topic is subject to change.

Week 1	Class Introduction	1hr
Week 1	Introduction to Physiology (Ch. 1)	1 hr
Week 2	Introduction to Physiology (Ch. 1)	1 hr
Week 2	Chapter 2 The Cell: Structure and Function	2 hrs
Week 3	Chapter 3 Cell Metabolism	3 hrs
Week 4	Review and TEST # 1 (Ch. 1 – 3)	2 hrs
Week 4	Chapter 4 Cell Membrane transport	1 hr
Week 5	Chapter 4 Cell Membrane transport	2 hrs
Week 5	Chapter 5 Chemical Messengers	1 hr
Week 6	Chapter 5 Chemical Messengers	1 hr
Week 6	Chapter 6 Endocrine System	2 hrs
Week 7	Chapter 7 Nerve Cells	2 hr
Week 8	Review and TEST # 2 (Ch. 4 – 6)	2 hrs
Week 8	Chapter 7 Nerve Cells	1 hrs
Week 9	Chapter 8 Synaptic Transmission and Neural Integration	1 hr
Week 9	Chapter 8 Synaptic Transmission and Neural Integration	2 hrs
Week 10	Chapter 9 Nervous System - Central Nervous System	1 hr
Week 10	Chapter 9 Nervous System - Central Nervous System	2 hrs
Week 11	Review	1 hr
Week 11	TEST # 3 (Ch. 7 – 9)	1 hr
Week 12	Chapter 10 The Nervous System – Sensory System	2 hrs
Week 12	Chapter 10 The Nervous System – Sensory System	1 hr
Week 13	Chapter 11 The Nervous System - Autonomic and Motor	2 hrs
Week 13	Chapter 11 The Nervous System – Autonomic and Motor	1 hr
Week 14	Chapter 12 Muscle Physiology	2 hrs
Week 14	Review	1 hrs

EVALUATION:

Tests 60% (3 x 20%)
 Test #1- September 24th 2013
 Test #2- October 22nd 2013
 Test #3- November 13th 2013

Final 40%
 Will be during the final exam week.

MOODLE

Go to <http://ilearn.keyano.ca>

This course is supported through Moodle 7. Assignments, readings and handouts will be posted on Moodle 7. Login information will be provided by your instructor. For further instructions please see the Moodle 7 handout.

GRADING SYSTEM:

Letter Grade	Description	Grade Points
A+		4
A	Excellent	4
A-		3.7
B+		3.3
B	Good	3
B-		2.7
C+		2.3
C	Satisfactory	2
C-		1.7
D+		1.3
D	Minimal Pass	1
F	Failure	0

Students intending to transfer to other institutions require a ‘C-’ as a minimum. Transfer information on each course is available at the [Alberta Council on Admission and Transfers](#).

Students who do not complete all the required work should not expect to pass the course. Students should consult:

http://www.keyano.ca/current_students/examinations/index.htm

IMPORTANT DATES:

September 17, 2013	Courses dropped after this date will be designated “W”. (A withdrawal (W) is not reflected in your GPA)
October 25, 2013	Courses dropped after this date will be designated “WF”. (A withdrawal failure (WF) counts as a 0 in your GPA)
December 6, 2013	Last day of classes
December 9-20, 2013	Final Exams

COLLEGE POLICIES

Equality, Equity and Respect

The Keyano College is committed to providing an environment of equality, equity and respect for all people within the College community. All members of this community are considered partners in developing teaching and learning contexts that are welcoming to all. Faculty, staff, and students are encouraged to use inclusive language to create a classroom atmosphere in which students' experiences and views are treated with equal respect and valued in relation to their gender, ethnic and cultural background, and sexual orientation.

Students should consult:

http://www.keyano.ca/Committees/IRA/Individual_Rights_Policy.asp

Plagiarism and Cheating

Every student expects to be treated and evaluated fairly in a course. Plagiarism and cheating robs everyone of this right.

No student may submit words, ideas or data of another student or person as his or her own in any writing, project, assignment, quiz, electronic presentation, exam etc. Any work used that is not the student's own must be clearly cited as belonging to someone else. There are penalties for using other's work and not citing it. The Student's Rights & Responsibilities document clearly outlines these penalties and the appeal process.

- No learner can obtain information from another student during an exam.
- No learner can bring unauthorized information (paper or electronic) into an exam or quiz.
- No student can submit work done in another course for grading in this course without the written prior approval of the course instructor.
- No student can submit copyright protected or commercially produced materials as part or all of an assignment without proper citation & permission.

Student Rights & Responsibilities

Students should consult the Keyano College Credit Calendar or online at:

<http://www.keyano.ca/Media/Collections/Calendars/Keyano.Calendar1112-10-full.pdf>

Specialized Supports and Duty to Accommodate

Disability Support Services: Learner Assistance Program

If you have a documented disability or you think that you would benefit from some assistance from a Disabilities Counsellor, please call or visit the Disability Supports Office 780-792-5608 to book an appointment (across from the library). Services and accommodations are intended to assist you in your program of study, while maintaining the academic standards of Keyano College. We can be of assistance to you in disclosing your disability to your instructor, providing accommodations, and supporting your overall success at Keyano College.

Specialized Supports and Duty to Accommodate

Specialized Support and Duty to Accommodate are aligned with the office of Disability Support Services: Learner Assistance Program (LAP) guided by federal and provincial human rights legislation, and defined by a number of Keyano College policies. Keyano College is obligated

by legislation to provide disability-related accommodations to students with identified disabilities to the point of undue hardship.



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Michael Scarlett, Instructor

Date

Reviewed and approved by:

Vincella Thompson, Chairperson

Date

Guy Harmer, Dean

Date