



COURSE OUTLINE

KINE 100

INTRODUCTION TO HUMAN PHYSIOLOGY

45 HOURS

3 CREDITS

PREPARED BY: _____
Liris Smith, Instructor

DATE: _____

APPROVED BY: _____
Margaret Dumkee, Dean

DATE: _____

YUKON COLLEGE

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Course Outline prepared by Liris Smith, December 2013.

Yukon College
P.O. Box 2799
Whitehorse, YT
Y1A 5K4

DIVISION OF APPLIED SCIENCE AND MANAGEMENT

Credit Course

Winter 2014

KINE 100—INTRODUCTION TO HUMAN PHYSIOLOGY

INSTRUCTOR: Liris Smith, B.Sc.(Anatomy),
B.Sc.P.T., M.Sc.P.T.

OFFICE HOURS: by appointment

OFFICE LOCATION: TBA

CLASSROOM: A2101

E-MAIL: to be supplied later

TIME: 4:00 p.m. – 5:25 p.m.

TELEPHONE: to be supplied later

DATES: Tuesdays and Thursdays

COURSE DESCRIPTION

This course introduces students to the physiology of the human body. Students examine the mechanisms of body function, organized around the central theme of homeostasis – how the body meets changing demands while maintaining the internal constancy necessary for all cells and organs to function. Course content focuses on cell physiology, nervous system, musculoskeletal system, digestive system, lymphatic, respiratory system, endocrine, and circulatory systems.

PREREQUISITES

Admission to School of Science - Yukon College

EQUIVALENCY OR TRANSFERABILITY

UBC No equivalent course
UVIC P. E. 100L (1.5)
UAS No equivalent course
UNBC Unsp 100L

SFU Kine 205 (3)
UAF PE Elec. (n) (3)
UR No equivalent course

LEARNING OUTCOMES

Upon successful completion of the course students will:

1. have developed an understanding of the fundamental physiological processes of homeostasis, cell physiology, nervous system, musculoskeletal system, urinary system, digestive system, respiratory system, circulatory and immune system.
2. developed an understanding of the structure and function of the primary body systems indicated.
3. have strengthened their research and writing skills using available sources in the library as well as on the internet.
4. have developed a curiosity and wonder of the complexity of the human body and the confidence to continue learning and questioning.
5. have demonstrated self-direction and initiative in their learning.

COURSE DELIVERY METHODS/FORMAT

The class format will consist of lectures, and class discussion. Students are also expected to participate in some activity sessions.

ASSESSMENTS

Attendance

Students are expected to attend classes. There is a class participation assessment in this course which is based on attendance.

Assignments

Each Student will write a 10 (max) page paper titled “The Physiological Effects of (put your topic in this blank) on (list two systems in this blank)” This paper will be due by March 25, 2014.

All papers require use of APA references guidelines, available in Yukon College library. Further information on topic selection will be made available

EVALUATION

Class Participation	10% (Based on attendance)
Class Quizzes/assignments	15%
Course Paper	20%
Paper Presentations	5%
Midterm Exam	25%
Final exam	25% (75% content after midterm)
Total	100%

REQUIRED TEXTBOOKS AND MATERIALS

Tortoro, Gerard; Derrickson, Bryan
Introduction to the Human Body, 9th Edition
978-1118-12919-7
John Wiley and Sons, Inc

PLAGIARISM

Plagiarism is a serious academic offence. Plagiarism occurs when students present the words of someone else as their own. Plagiarism can be the deliberate use of a whole piece of another person's writing, but more frequently it occurs when students fail to acknowledge and document sources from which they have taken material. Whenever the words, research or ideas of others are directly quoted or paraphrased, they must be documented according to an accepted manuscript style (e.g., APA, CSE, MLA, etc.). Resubmitting a paper which has previously received credit is also considered plagiarism. Students who plagiarize material for assignments will receive a mark of zero (F) on the assignment and may fail the course. Plagiarism may also result in dismissal from a program of study or the College.

ACADEMIC ACCOMMODATION

Reasonable accommodations are available for students requiring an academic accommodation to fully participate in this class. These accommodations are available for students with a documented disability, chronic condition or any other grounds specified in section 8.0 of the Yukon College Academic Regulations (available on the Yukon College website). It is the student's responsibility to seek these accommodations. If a student requires an academic accommodation, he/she should contact the Learning Assistance Centre (LAC) at (867) 668-8785 or lassist@yukoncollege.yk.ca.

TOPIC OUTLINE/SYLLABUS

DATE	CLASS CONTENT	Chapter in Text
January 7	Introduction Homeostasis	Chapter 1
January 9*	Chemistry, Cellular Physiology	Chapter 2, 3
January 14*	Tissues	Chapter 4
January 16	Skin/Integumentary system	Chapter 5
January 21*	Skin/ Skeletal	Chapter 5, 6
January 23	Skeletal System	Chapter 6
January 28*	Joints	Chapter 7
Jan 30*	Muscular physio, Anatomy	Chapter 8
Feb 4	Muscle Anatomy, Neurophysiology	Chapter 8,9
Feb 6*	Neurophysiology, CNS	Chapter 9
Feb 11*	Central NS	Chapter 10
Feb 13	PNS, Autonomic NS	Chapter 10,11
Feb 18*	Special senses	Chapter 12
Feb 20	Midterm	
Feb 25	Exam review, Endocrine	Chapter 13
Feb 27*	Endocrine	Chapter 13
Mar 4*	Blood	Chapter 14
Mar 6	CV System	Chapter 15,16
Mar 8*	CV, lab on blood groups	
Mar 11	Immunity, lymphatics	Chapter 17
Mar 13*	Immunity	Chapter 17
Mar 18, 20	Reading week	
Mar 25*	Respiratory system	Chapter 18
Mar 27	Respiratory, Digestive	Chapter 19
April 1*	Digestive , paper pres	Chapter 19,20
April 3	Urinary, paper pres	Chapter 21
April 8*	Urinary, paper pres	Chapter 21
April 10*	Review	
TBA	Final Exam	

* indicates short quiz at the beginning of the class. If you are absent, you only have until the next class to write it, as quizzes will be handed back.