



PRACTICAL NURSE CURRICULUM

KEYANO COLLEGE

COURSE OUTLINE

PN 100

ANATOMY & PHYSIOLOGY I

FALL 2012

September 3, 2013–October 11, 2013

INSTRUCTOR: Gregory Stewart

Permission to use and revise this document has been given
from NorQuest College to Keyano College, 2011

Anatomy & Physiology I

Course Outline

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ANATOMY & PHYSIOLOGY I

COURSE OUTLINE

CALENDAR STATEMENT

ANATOMY & PHYSIOLOGY I* Semester I

Knowledge and understanding of the anatomy and physiology of the human body is a foundation for further study in the health-care field.

Pre- or Co-requisite: Biology 30

COURSE HOURS

TOTAL HOURS: 45

LECTURE: 45 Hours

CREDITS: 3

COURSE DESCRIPTION

This Anatomy & Physiology I course is an introduction to and balanced study of the structure and function of the human body. Emphasis is placed on the interrelatedness and interdependency of body systems. Introduction to the principles and processes of microbiology is also included in the course. This is a theory course.

TUTOR INFORMATION

Instructor: Gregory Stewart

Phone (Office) 780 791-8920

e-mail: gregory.stewart@keyano.ca

Office Hours: by appointment

GENERAL LEARNING OUTCOMES

Upon successful completion of this course, you will be able to meet or exceed the following:

1. Use appropriate medical terminology.
2. Identify common anatomical structures and physiological processes.
3. Describe relationships between structure and function, systems and homeostasis.
4. Apply the concepts in anatomy and physiology.
5. Apply principles of microbiology to physiological processes.
6. Identify terminology, principles and processes of microbiology and their relationship to the control and transmission of infection and disease.

Instructional Methods

- This course uses a variety of teaching/learning methods including: discussion, experiential exercises, learner presentations, role-plays, case studies, lectures, reflection, lab demonstration and practice, and group activities. These course activities provide the opportunity for learners to learn with and from others who are undergoing a similar learning experience.
- The course emphasizes pre-class preparation, participation in interactive classes, and post-class reflection and review. The learner is expected to take an active part in class discussions and take responsibility for his/her own learning. The instructor's role is to facilitate learning.

PRACTICAL NURSING PROGRAM POLICIES

Please refer to Keyano College Practical Nurse Handbook for specific Practical Nursing Program policies and to Keyano College Calendar for general College policies.

Please review the Keyano College Nursing Program Policy on Clinical Attire, which is outlined in the student handbook. The following are required items for clinical: nametag, health centre ID, watch, penlight, black pen, bandage scissors and stethoscope.

LATE POLICY FOR ASSIGNMENTS

All assignments are to be passed in at the time and place they are due. Please see timetable. Extensions on assignments may be granted and must be negotiated with the tutor prior to the due date and with a date specified for late submissions. If prior arrangements are not made, a penalty of a letter grade for each working day that an assignment is submitted after the due date will be deducted from the final grade i.e. an assignment graded at B would receive an adjusted grade of B- if handed in one day late; if two days late, the grade is adjusted to C+ etc.

SPECIALIZED SUPPORTS & 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 Counselor, 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.

OVERVIEW OF LEARNING EXPERIENCES

Course Units

This course consists of the following units:

Unit 1: Levels of Organization

Topic 1.1: Introduction to Human Anatomy and Physiology

Topic 1.2: Cells

Topic 1.3: Tissues

Unit 2: Support and Movement

Topic 2.1: Integumentary System

Topic 2.2: Skeletal System

Topic 2.3: Muscular System

Unit 3: Coordination and Regulation

Topic 3.1: Nervous System

Topic 3.2: Special Senses

Topic 3.3: Endocrine System

REQUIRED TEXTS

Rizzo, D.C. (2010). *Fundamentals of anatomy and physiology* (3rd ed.). New York: Thompson.

Rizzo, D.C. (2010). *Student study guide to accompany fundamentals of anatomy and physiology* (3rd ed.). New York: Thompson.

Rizzo, D.C. (2010). *Fundamentals of anatomy and physiology* (3rd ed.). StudyWARE CD-ROM. New York: Thompson.

Taber's Cyclopedia Medical Dictionary (21st ed.). (2009). F A Davis.

Access to the Internet

OVERVIEW OF COURSE ASSESSMENT

The assessment component of this course includes two unit exams and one final exam. The unit exams are each worth **30%** towards your final course grade. The final exam contributes **40%** towards your final course grade.

Unit Exams

The first unit exam is completed after Unit 1; the second unit exam is completed after Unit 2. The unit exams consist of multiple-choice, short-answer, labelling, and matching questions. Your responses to the multiple-choice questions must be made on the bubble sheet (provided by your instructor or tutor), and labelling responses will be completed directly on the test sheets.

Final Exam

The final exam is **cumulative**, meaning that it tests your knowledge of the content of the entire course. This exam contributes **40%** to your course grade. It is a multiple-choice exam. Your responses must be made on the bubble sheet (provided by your instructor or tutor).

DISTRIBUTION OF MARKS

THEORY			DATE
Midterm Exam I Part A multiple choice Part B Short Answer, Labelling, Matching Questions	Demonstrate knowledge of course content for Unit I	30%	Sept 10 9:00AM
Midterm Exam II Part A multiple choice Part B Short Answer, Labelling, Matching Questions	Demonstrate knowledge of course content for Unit II	30%	Oct 1 9:00 AM
Final Exam cumulative; multiple choice	Demonstrate knowledge of course content	40%	Oct 22 9:00 AM
Total			100%

PASSING LEVEL AND GRADING SCALE

This is a combined theory course. Learners must complete **all** examinations to receive a final theory grade. Learners will not be allowed to rewrite exams to raise their theory grade.

To receive credit for Anatomy & Physiology I, a learner must achieve each of the following:

- A minimum overall grade of 1.7 (C-) or 60%

Refer to the Practical Nurse Program Handbook for information regarding grading scale, extensions, and other program standard practices.

Important Additional Information

Note to all students: It is the student's responsibility to retain course outlines for possible future use in support of applications for transfer credit to other educational institutions.