

**Faculty of Health Science
Kin 2222A/HS2300A
Sept – Dec 2010**

SYSTEMIC APPROACH TO FUNCTIONAL ANATOMY

The prerequisite(s) for this course is/are OAC Biology, or an equivalent course. If you do not have this/these prerequisite(s) (or special permission to take the course from your Dean), you are not eligible for enrollment and must drop it immediately in order to make room for students who have the appropriate prerequisite(s). You will receive no adjustment to your fees in the event that you are administratively dropped from a course for failing to have the necessary prerequisites. Taking a course without the prerequisite(s) is not grounds for appeal.

COURSE OUTLINE

COURSE OBJECTIVE

To provide an understanding of human gross anatomy and a working knowledge of the integration of the human body's major physiological systems. At the end of this course each student should know all the major bones, muscles, nerves, and vessels of the body, by name, location, and function. Each student will also understand the three components of the cardiovascular system: the blood, the heart, and vasculature system, its physiological significance and how each component interacts with the major organ systems listed above. The spirit of this course is to foster learning, critical thinking, active questioning, and an appreciation for health and disease from a gross anatomical perspective.

COURSE DESCRIPTION

The course is designed to provide the student with a systemic description of the anatomical structure and function of the human body. This course describes the gross anatomy of the major systems, with emphasis on movement and locomotion as it pertains to the musculoskeletal, cardiovascular, and nervous systems. eletal, caste d(s f)-3(o)-3(6.)]TJ

LECTURES

There are 3 lecture hours per week: Tuesday 8:30-9:30am and Thursday 8:30-10:30am in North Campus Building 101 (NCB101) **You need to come to lecture to learn the material.** Many diagrams and discussions will be used in class to illustrate and integrate the material. Each lecture will be a multimedia presentation.

LECTURE TECHNOLOGY

Notes

In order to aid you with note taking, a “skeleton” version of the lecture will be available in PDF format for downloading on the UWO Web CT website <http://webct.uwo.ca/> prior to lecture. Although the notes are in colour, quick use of a pencil crayon or highlighter will suffice after printing. A free version of Adobe Acrobat to view PDF files accessed at www.adobe.com/. Mac users do not require Adobe to read PDF files.

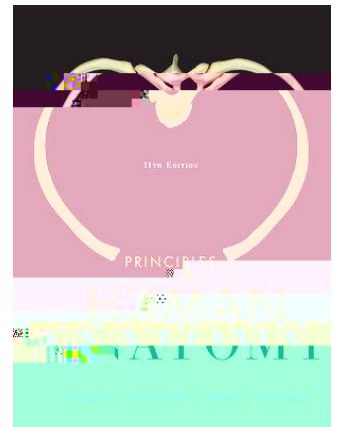
Use the notes as a guide to direct your study...if I concentrate on it in the notes and/or lecture, it's probably important!

TEXT

The recommended textbook:

Tortora, G.J., Neilsen M.T. Principles of Human Anatomy (11th ed.), John Wiley & Sons, Inc. . ISBN 978-0-471-78931-4.

This text is available at the [UWO Bookstore](#) for ~150.00. For those students who are visual learners, extra resources may be used as a supplement to the text. Good resources are available at the UWO bookstore include anatomy colouring books and various atlases. See [helpful aids](#)



COURSE COMMUNICATION

Please use the [WebCT discussion boards](#) for course related questions. This method also allows each of you to see how others are thinking about anatomy and you then begin to learn from each other. If you wish to speak to me, please send an email to my WebCT address.

COURSE WEB SITE

Make-up Examinations: You are entitled to reschedule an exam for legitimate conflict due to medical, religious, or compassionate reasons within a reasonable

*To print or see an example of the Western Student Medical Certificate (SMC) please visit

<https://studentservices.uwo.ca/secure/index.cfm> and click on „Student Medical Certificate.pdf .

HELPFUL AIDS

Twietmeyer, A. **Coloring Guide to Human Anatomy**(3rd ed), LWW, 2001.ISBN 0781730422

picking your colours!

A.D.A.M Interactive Anatomy Student Package, a CD-ROM packaged with Lafferty and Panella’s Lab Guide

Rohen, Lütjen-Drecoll, Romrell Color Atlas of Anatomy (5th ed) LWW, ISBN 0-7817-3194-1

This is my recommended atlas! It is awesome colour photos of dissections and it is set up such that you can test yourself with identification quite easily with lined paper or a Post-It Note. Our library does have copies!

Gray, Grant, Moore, and Netter are amongst a plethora of authors who are all famous anatomists who have excellent textbooks for the study of gross anatomy.

Links

Great cross section library at the Virtual Hospital

<http://www.vh.org/adult/provider/anatomy/HumanAnatomy/1Section/Top.html>

An extensive set of images from the University of Michigan

http://www.med.umich.edu/lrc/coursepages/M1/anatomy/html/atlas/atlas_index.html

Our tax dollars provide a wide-ranging site with lots o links

www.canadian-health-network.ca

Clever people at the University of Washington has a digital anatomists project

<http://www9.biostr.washington.edu/da.html>

Neat software can view inside the body from a Harvard point of view

<http://splweb.bwh.harvard.edu:8000/pages/papers/AnatomyBrowser/current/>

The list is endless really, search for anatomy atlas in your favourite search engine and enlighten yourself.

PLAGIARISM

Students must write their exams independently. Whenever students take an idea or a passage from another author, they must acknowledge their debt both by using quotation

