Syllabus: Human Anatomy – Bio 203A

Kenneth Fortino

January 28, 2011

Office: Olin 128
Phone: (765) 658 – 4008
email: kenfortino@depauw.edu
Office Hours: e-mail for an appointment
Lecture Times: M W F 8:10 – 9:10
Laboratory Times: R 8:30 – 11:30

Textbook:
Clinically Oriented Anatomy by Moore, K. L., Dalley, A. F., and Agur, A. M. R.

Course Description Anatomy forms the foundation of the study of human body function. Form and function are inextricably intertwined in that form influences and limits function and function influences and limits form. Since the human body is also the product of a particular evolutionary history, we must also consider the effect of history on form and function.

This course is designed to provide a familiarity with the basic anatomical form of the human body (including nomenclature). This familiarity will result from understanding the interplay between form, function, and history in human anatomy. The emphasis will be on a conceptual understanding of the anatomy as opposed to simple memorization of anatomical structures.

The course is organized as a hybrid between a Systems-based and Regional-based approach. We will begin the course with a brief overview of select organ systems (e.g., Nervous, Skeletal, Muscular, etc. . .). Following this, we will then investigate the integration of these organ systems for the different regions of the body (e.g., Back, Thorax, Abdomen, etc. . .).

Course Objectives By the end of this course you will be able to:

1. Understand the principal structural arrangement of the gross anatomical features of the human body.
2. Understand how human anatomical structure relates to function within the body.
3. Understand how form, function, and history determine and limit human anatomy
4. Be able to synthesize and critically evaluate a conceptual picture of human anatomy and make informed predictions about the effect of alterations to anatomy (including disease and injury).
5. Communicate anatomical information clearly in verbal and written formats.

Lecture and Lab The lecture, lab and readings from the text are designed to work closely together to provide you with a foundation in human anatomy. The lecture and reading material should not be treated as an inert mass of information to be unquestioningly memorized and recalled. I encourage you to continually evaluate how new material can be assimilated into your developing understanding of the body's organization.

You should assess your own comprehension of the material as it is provided, challenging yourself to make sense of new information. Myself and the other members of the class are tools that you can use to aid in this evaluation. Do not hesitate to ask questions of us.

Readings Assigned readings from Moore et al. 2010 should be completed before each lecture. These readings will provide the foundation of the material covered in class and you are responsible for the material in the readings even if it is not revisited in lecture. Readings will be assigned on a week by week basis to allow for flexibility in the schedule.

In-class Activities Many lectures and labs will include an in-class assignment. The assignments may be based on reading done before class or on material covered during class. The assignments are designed to help you think critically about the topics being covered as well as provide you with a means of assessing your understanding prior to exams.

Lecture Topics

Week of:	**Topic**	**Readings in Moore et al. 2010**
Select Organ Systems		
Jan. 31	Anatomy Introduction,	pp. 2 - 12
	Integumentary,	pp. 12 - 18
	Nervous System	pp. 46 - 56
Feb. 7	Nervous System (Cont.)	pp. 57 - 65
	Endocrine Systems	none
Regional Anatomy		
Feb. 14	Thorax: Wall,	pp. 72 - 83 and 91 - 96
	Thorax: Lungs	pp. 108 - 120
	Thorax: Circulatory/Lymphatic System,	pp. 37 - 45
Feb. 21	Heart and Mediastinum	pp. 127 - 150 and 160 - 171
Feb. 28	Abdomen: Peritoneum and Alimentary Canal	pp. 217 - 223 and 226 - 253
March 7	Abdomen: Other Viscera	pp. 263 - 281 and 290 - 298
March 14	Pelvis	pp. 338 - 348, 362 - 370 and 376 - 389
March 21	*Spring Break*	
March 28	Back: Spinal Cord	pp. 496 - 504
April 4	Lower Limb: Overview,	pp. 510, 532 - 535, and 542 - 544
	Hip Joint	pp. 626 - 632
	Knee Joint	pp. 634 - 642
April 11	Upper Limb: Overview,	pp. 672 - 673
	Shoulder Joint,	pp. 796 - 800
	Hand	pp. 771 - 789
April 18	Head: Meninges	pp. 865 - 874
April 25	Head: Brain	pp. 878 - 885
May 2	Head: Larynx/Pharynx,	pp. 1022 - 1027 and 1032 - 1036
	Head: Oral cavity,	pp. 928 - 934
	Head: Nose	pp. 955 - 963
May 9	Head: Eye	pp. 893 - 898
	Head: Ear	pp. 966 - 977

Exams

Date	Exam
Feb. 24	Lecture Exam 1
March 17	Lecture Exam 2
March 24	*Spring Break*
April 21	Lecture Exam 3
May 12	Practical Exam
May 14; 8:30 - 11:30	Final Exam

Classroom Courtesy This classroom is intended to be an open forum for you to explore and develop an understanding of human anatomy. All students must feel free to contribute to this goal and anything that detracts from a open, respectful, inquiry – based environment will not be tolerated. Specifically, all classmates are to be treated with respect at all time. While discussions may become passionate, personal attacks or intimidation are not permitted. Additionally any behavior that distracts from the purpose of the class is also disrespectful and will not be tolerated. These behaviors include but are not limited to, excessive talking, cell phone use, disruptive behavior, sleeping etc. . . Laptops may be used during lecture for note taking but should not be used for non–class related activities and must be put away during discussions.

Expectations I expect you to read and adhere to the *Academic Expectations for DePauw Students* and the *Academic Integrity Policy* outlined in the DePauw Student Handbook.

Academic Resources The resources on campus to assist your academic success should be viewed as tools that you can use to improve your learning experience and not punitive or remedial in any way. The first of these is myself. I am invested in your academic success and I am typically available during business hours or by appointment to assist you with the material we cover in class and lab. Please do not hesitate to contact me with questions or concerns about the material we cover or the class in general. The second is the Academic Resource Center (ARC)(http://www.depauw.edu/admin/arc/index.asp). ARC has numerous programs and tutoring opportunities including assistance with writing and dedicated biology tutors.

Attendance I will not formally take attendance but your presence in each lecture is expected. In-class assignments cannot be made-up. Attendance for the laboratory is mandatory. No make–up labs are possible.

Grading and Evaluation Your final grade for the class will come from 3 exams and a *cumulative* final exam, plus in-class assignments, and your laboratory grade. The percent value of each portion of your final grade is shown in the table below.

The grade on the final exam can replace any or all of the grades on the lecture exam. Prior to turning in the final exam you will be asked to indicate which (if any) of your lecture exam grades you wish to replace with your final exam grade. There are **no make–up exams!** The final exam grade will replace the grade on any missed exams.

The laboratory grade will be based on the laboratory practical exam and in-lab assignments. All in--class(lab) assignments are due during class unless otherwise specified. All lecture exams will take place during the lab period and are due at the end of lab. **It is not within my power to change the date of the final exam**. Grades will not be curved and there are no opportunities for extra credit.

Assignment Values

Grade	**Percent of Final Grade**
Lecture Exam (3)	15% each
Final Exam	20%
In-class assignments and quizzes	10%
Laboratory	25%

Grading Scale

Percent Cut–off	**Letter Grade**
93%	A
90%	A-
88%	B+
83%	B
80%	B-
78%	C+
73%	C
70%	C-
60%	D
<60%	F