

Syllabus:
Anatomy and Physiology II
The School of Arts & Sciences
St. Thomas Aquinas College

COURSE DESCRIPTION

A continuation of BIO 251 with emphasis on the heart, circulation, the endocrine, respiratory, digestive, excretory and reproductive systems.
Prerequisites: BIO 251

COURSE OBJECTIVES

Upon successful completion of the course a student will understand the basic anatomy and physiology of the organ systems listed at the end of the outline.

COURSE FORMAT

Two lectures per week each one-hour and 25 minutes and one two-hour lab per week.

EVALUATION

There will be 4 lecture exams which constitute 80% of the final grade. The lab component makes up the other 20%. The lab grade will be determined by 3 lab practicals and the continuation of the dissections from last semester. If we can get our sensitive physiology simulator working there will be some lab write ups which will be part of the lab grade.

REQUIRED TEXT

Shier, D., Butler, J. and Lewis, R. (2012). *Holes Anatomy and Physiology* (13th Edition). Mc. Graw-Hill Inc. New York, New York

COMMENTS

Attendance is mandatory and absence for more than 15% of class time will lower the final grade.

ACADEMIC INTEGRITY

Academic integrity, a commitment to honesty, fairness, respect, and responsibility, is the foundation of the learning process. All members of the St. Thomas Aquinas College community are held to the highest standards of academic honesty. While we recognize the participatory nature of education, we take academic integrity very seriously, and the College policy on academic dishonesty details consequences that can include dismissal from the College. That policy can be found in both the Student Handbook and the College Catalog.

As a student in this class, you must demonstrate your commitment to academic integrity by submitting work which originates in your own imagination, analytical faculties, or your own knowledge, which you have done yourself, and which represents your very best efforts. When appropriate, your work should be supplemented and supported by other sources; however, you must always ensure that these sources are properly cited using the recommended documentation system.

Students needing accommodations for a documented disability should notify the instructor at the beginning of the semester.

COLLEGE POLICY ON ELECTRONIC DEVICES IN THE CLASSROOM

Students are not to use any electronic device at any time without the expressed consent of the professor. This policy includes cell phones, laptop computers, or any other device the use of which constitutes a distraction to the professor or to the other students in the class as determined by the professor. Students with documented disabilities that require the use of a laptop in class may use them after informing their professor.

When a professor designates a time during which laptop computers may be used, they are only to be used at the discretion of the faculty member and in accordance with the mission of the college; visiting sites which the professor deems to be inappropriate to the needs of the class is forbidden..

Professors have the latitude to develop specific and reasonable policies to deal with violations of these general policies as they see fit. For more extreme cases of classroom disruption, see the College's Disruptive Student Policy

Draft Sample

Session	Lecture Schedule	Chapters in the Text
1	Peripheral nervous system	11
2	General senses	12
3	Special senses – taste	12
4	Olfaction	12
5	The ear	12
6	Structure and function of the eye	12
7	Exam #1	-
8	Diseases of the senses	12
9	The endocrine system	13
10	The endocrine system	13
11	Heart structure and function	15
12	Control of blood pressure	15
13	Structure of blood vessels	15
14	Exam #2	-
15	Diseases of the heart and blood vessels	15
16	Blood components	14
17	Blood disorders	14
18	Respiratory system	19
19	Respiratory system	19
20	Digestive system	17
21	Exam #3	-
22	Digestive system	17
23	Nutrition	18
24	Kidney and excretion	20
25	Electrolytes	21
26	Reproductive system	22
27	Menstrual cycle	22
28	Exam #4	-

Session	Lab Schedule
1	Cat Dissection: blood vessels of the heart
2	Cat Dissection: blood vessels of the neck
3	Sheep eye
4	Cat Dissection: Blood vessels of the shoulder and forelimb
5	Cat Dissection: Blood vessels of the abdominal cavity
6	Computer Simulation I
7	Sheep heart
8	Cat respiratory system
9	Blood vessels of the hind limbs
10	Cat endocrine system
11	Sheep kidney
12	Cat reproductive system
13	Lab practical on sheep organs
14	Computer Simulation 2