

PGY 300: Human Physiology Spring 2012

PGY 300 Human Physiology is a four credit hour introductory survey of the functions of the primary organ-systems of the human body. These include the Nervous, Cardiovascular, Respiratory, Gastrointestinal, Renal, and Endocrine systems. The systems will be studied at the organ, tissue, and cellular levels of organization. The prerequisite for PGY 300 is a grade of C or higher in ANA 113 or BIO 200 or CHE 101.

The pages that follow contain the information needed to make this course a manageable challenge! Read carefully.

Student Responsibility:

Students are responsible for mastering the material presented at lecture by the participating faculty. Concerns regarding factual errors of ancillary material (e.g., miss-keyed practice or old exams) must be brought to our attention before the exam and not after. Memorizing a miss-keyed choice is not an acceptable excuse for failure to understand the material well enough to recognize a typographical error.

UB's Academic Integrity policy:

"The university has a responsibility to promote academic honesty and integrity and to develop procedures to deal effectively with instances of academic dishonesty." Refer to the student handbook for more detail information at <http://intranet.sdm.buffalo.edu/student/handbook/>.

UB's Students Needing Special Accommodations:

If you have any condition, such as a physical or learning disability, which will make it difficult for you to carry out the course work as outlined, or requires extended time on examinations, notify the Course Coordinator during the FIRST TWO WEEKS of the course to discuss appropriate arrangements and/or reasonable accommodations. You will need to be approved by the Office of Accessibility Resources. They are located at 25 Capen Hall, (716) 645-2608, <http://www.ub-disability.buffalo.edu/document.php>

UB Student-Athletes:

Student's participating in UB NCAA sports need to notify the Course Coordinator of any travel conflicts with exam dates so that arrangements can be made with your coach.

Course Information

1) Participating Faculty Contact Information.

	Office	Phone	email
Dr. R. Hudson **	121 Farber Hall	829-6286	rlhudson@buffalo.edu
Dr. M. Slaughter	560 Biomedical Research Building	829-3240	mslaught@buffalo.edu
Dr. D. Pendergast	16 Sherman Annex	829-3830	dpenderg@buffalo.edu
Dr. D. Swartz	227 Sherman Hall	829-2536	swartzda@buffalo.edu
Dr. W. Hofmann	517 Biomedical Research Building	829-3290	whofmann@buffalo.edu
Dr. M. Morales	202 Cary Hall	829-3965	moralesm@buffalo.edu
Physiology and Biophysics Office	124 Sherman Hall	829-2738	

** Course Coordinator; to whom all administrative questions should be addressed.

Office Hours: By appointment.

- 2) The course is divided into six sections; Neurophysiology, Cardiovascular, Respiratory, Renal, GI, and Endocrinology. The first five will be tested independently, while section six (Endocrinology) will be part of a cumulative Final Exam.
- 3) Four lecture hours per week will be held in **Diefendorf 147**. Exams will be during a lecture period in Diefendorf 147.
- 4) Scheduled lecture times are: **M & F (1:00 - 1:50 pm), W (1:00 - 2:50 pm)**.
- 5) Students are expected to attend lectures and are responsible for any announcements made during lecture.
- 6) The Recitation (2:00 -2:50 pm) scheduled for Wednesdays is a Lecture and students are expected to attend.
- 7) Required Text: ***Human Physiology: An Integrative Approach*** by D. Silverthorn. Fifth Edition. 2009. Benjamin-Cummings Publisher. ISBN # 0-321-55980-0

8) UBLearns - PGY300 Course Site

- a. Available only to students registered in PGY300.
- b. Accessed via the URL <http://UBlearns.buffalo.edu>
- c. Lecture material can be found under Course Documents.
- d. Class Announcements will be made through UBLearns. Students are responsible for checking this site in a timely fashion.
- e. Grades will be posted via the UBLearns grade book.

9) There is NO ONLINE version of PGY 300

- a. Although most lectures will be video recorded, students are expected to attend class and participate.
- b. The Department of Physiology and Biophysics has nothing to do with this service, so when it does not work don't call us. Contact Devo@buffalo.edu.

10) Dropping a course is the student's responsibility. We cannot do this for you.

- a. Last day to DROP without financial liability is January 23.
- b. Last day to DROP without a grade of "R" is March 30.

11) Examination Policies

- a. All students must present a **valid UBID** at each exam. **NO EXCEPTIONS.**
- b. Failure to present a UBID at the time of the exam will result in the following penalties:
 - For the first offense: The offending exam's score will be lowered by 1 point.
 - For the second offense: The student will receive a grade of ZERO for BOTH no-UBID-exams.
- c. There will be **ASSIGNED SEATING FOR EACH EXAM**. Sometime in the second week of classes, each student will receive a seat assignment in their UBLearns grade book. Students must have this assignment at the time of the exam. Failure to have the seat assignment at the time of the exam will result in the following penalties:
 - For the first offense: The offending exam's score will be lowered by 1 point.
 - For the second offense: The student will receive a grade of ZERO for BOTH offenses.
- d. There will be **five** section exams (33 points each) plus a **CUMULATIVE FINAL** (66 points). The cumulative final will include the Endocrinology section exam and is not optional.
- e. There are **NO MAKEUP** exams in PGY300.
- f. Repeat: there are **NO MAKEUP** exams in PGY 300.

- g. Missing three or more section exams will result in an 'F'.
- h. Students are responsible for correctly filling out the Scantron answer sheet. This includes not only the answer choice, but also student name, person number and the exam version number. One point each, for no name or no person number will be subtracted from the final score. If the exam version is missing the answer sheet will be scored with the default version #1. No exam will be rescored for students who put down the wrong version number.
- i. Students will receive via email their exam score, the exam key, and their correct and incorrect choices as soon as the exam has been graded and approved. This can take 3-7 days.
- j. Challenges to exam results must be made within 7 days of the email posting of the results.
- k. Answer sheets (Scantrons) are not returned or available for student review.
- l. Exam Day:
 - Bring your UB photo ID.
 - Bring your seat assignment.
 - Bring several #2 pencils.
 - Bring an eraser.
 - No electronic devices are needed or permitted.
- m. Late Arrival for exams.

Students arriving to take the exam more than **20 minutes** after the start of the exam will **NOT** be allowed to take the exam. Be on time. Plan to arrive for the exam no later than ten minutes **BEFORE** the scheduled start of the exam. Students finishing early will not be allowed to leave the room until 20 minutes after the start of the exam.

12) Grading Policies.

- a. Course grade is the sum of the highest FOUR of the first five section exams plus the Final Exam.
- b. The Final Exam (66 points) includes the Endocrinology section (33 points) as well as a cumulative exam covering the first five sections (33 points).
- c. No portion of the final exam is optional.

- Example of a Course Grade Calculation.

A student scored the following on each of the exams:

Exam 1, 22 points -> 22
Exam 2, 20 points discard (it is the lowest of the first 5 exams)
Exam 3, 33 points -> 33
Exam 4, 29 points -> 29
Exam 5, 28 points -> 28

SubTotal 112 points

Final (66 points) 50

Student Total 162
Maximum points 198

Divide Student Total by Maximum and multiply by 100

$$162 / 198 * 100 = 81.8\% \text{ which rounds to } 82\% = \text{B+}$$

- d. Round overs for this class are as follows:
- ###.5000000 and higher rounds **up** to the next higher integer.
 - ###.4999999 and lower rounds **down** to the next lower integer.
- e. The grading scale is as follows and will not change:

Percent	Grade
90-100	A
87-89	A-
81-86	B+
77-80	B
73-76	B-
70-72	C+
60-69	C
50-59	D
0-49	F

- 13)** A grade of 'I' will be granted, subject to approval by the Course Coordinator, to students who meet the following requirements:
- a. A medical or family emergency that requires the student to be off campus for an extended period (i.e., more than one exam),
 - and
 - b. the student is passing the course with a C or better at the time of the request,
 - and
 - c. the student has taken more than the first three exams.
- 14)** The terms of the incomplete will be determined by the Course Coordinator and must be satisfied within one calendar year.
- 15)** Students involved in academic dishonesty (cheating) will be subject to procedures listed in the Undergraduate Catalog.

16) Exam Schedule:

Exam Number	Section	Date	Points
1	Neurophysiology	Feb 6	33
2	Cardiovascular	Feb 27	33
3	Respiration	Mar 23	33
4	Renal	Apr 2	33
5	Gastrointestinal	Apr 16	33
6	Endocrinology plus Cumulative Final	May 9 (11:45 am)	33 33

17) Lecture Schedule

Week	Day	Date	Instructor	Lecture Topic
1	M			
	W	01/18	Dr. Hudson	Introduction to Physiology and PGY 300
	W	01/18	Dr. Slaughter	Neurophysiology 1
	F	01/20		Neurophysiology 2
2	M	01/23		Neurophysiology 3
	W	01/25		Neurophysiology 4
	W	01/25		Neurophysiology 5
	F	01/27		Neurophysiology 6
3	M	01/30		Neurophysiology 7
	W	02/01		Neurophysiology 8
	W	02/01		Neurophysiology 9
	F	02/03		Neurophysiology 10
4	M	02/06		Exam 1, Neurophysiology
	W	02/08	Dr. Pendergast	Cardiovascular Physiology 1
	W	02/08		Cardiovascular Physiology 2
	F	02/10		Cardiovascular Physiology 3
5	M	02/13		Cardiovascular Physiology 4
	W	02/15		Cardiovascular Physiology 5
	W	02/15		Cardiovascular Physiology 6
	F	02/17		Cardiovascular Physiology 7
6	M	02/20		Cardiovascular Physiology 8
	W	02/22		Cardiovascular Physiology 9
	W	02/22		Cardiovascular Physiology 10
	F	02/24	Dr. Swartz	Respiratory Physiology 1
7	M	02/27		Exam 2, Cardiovascular Physiology
	W	02/29		Respiratory Physiology 2
	W	02/29		Respiratory Physiology 3
	F	03/02		Respiratory Physiology 4
8	M	03/05		Respiratory Physiology 5
	W	03/07		Respiratory Physiology 6
	W	03/07		Respiratory Physiology 7
	F	03/09		Respiratory Physiology 8

9	M	03/12		Spring Break
	W			
	W			
	F	03/16		
10	M	03/19	Dr. Hudson	Renal Physiology 1
	W	03/21		Renal Physiology 2
	W	03/21		Renal Physiology 3
	F	03/23		Exam 3, Respiratory Physiology
11	M	03/26		Renal Physiology 4
	W	03/28		Renal Physiology 5
	W	03/28		Renal Physiology 6
	F	03/30		Renal Physiology 7
12	M	04/02		Exam 4, Renal Physiology
	W	04/04	Dr. Hofmann	GI Physiology 1
	W	04/04		GI Physiology 2
	F	04/06		GI Physiology 3
13	M	04/09		GI Physiology 4
	W	04/11		GI Physiology 5
	W	04/11		GI Physiology 6
	F	04/13		GI Physiology 7
14	M	04/16		Exam 5, GI Physiology
	W	04/18	Dr. Morales	Endocrinology 1
	W	04/18		Endocrinology 2
	F	04/20		Endocrinology 3
15	M	04/23		Endocrinology 4
	W	04/25		Endocrinology 5
	W	04/25		Endocrinology 6
	F	04/27		Endocrinology 7
	M	04/30		Endocrinology 8
	Final	05/09	11:45am	Final Exam Diefendorf 147