

**Basic Clinical Science 539**  
**Course Syllabus**  
**Term II, 04-05**

Course Title: Medical Physiology II, 4 credit hours

Course Text: Textbook of medical physiology (3<sup>rd</sup> ed.) by Guyton and Hall, published by W.B. Saunders Comp. (ISBN 072168677x)

Course Instructor: Dr. Gregory M. Grabowski, Office 101, Ford Life science Building, McNichols Campus, Phone #: 313-993-1181, E-mail: [grabowgm@udmercy.edu](mailto:grabowgm@udmercy.edu)

Course Time and Location: Tuesday from 10:00 – 11:40 am and 1:00 – 2:40 pm, Outer Drive Campus, MH 107

Office Hours: To be announced.

Course Description: Medical Physiology is designed to demonstrate the means through which the human body maintains homeostasis, an internal environment limited to the parameters necessary for life. This course is designed to provide students with a systemic overview of physiology through the integration of concepts previously developed in biology, chemistry, and physics courses. The lecture series is organized in a manner that demonstrates the interrelationships of organ systems with emphasis on recurrent concepts that underline basic homeostatic balance.

Attendance: Attendance for lecture is mandatory. Failure to attend class will significantly affect your grade. Material missed due to lack of attendance is the student's responsibility to acquire. Attendance for exams is required. Only individuals enrolled in the course are allowed to attend lectures and exams.

Quizzes: There will be a fifteen-minute quiz given at the beginning of each lecture (there will not be a quiz given on exam days and the lecture after the exam). The quiz will be in a short essay format and worth 10 points each. Of the 10 quizzes given, only the top 8 quizzes will be counted toward the total points for the course (280 points). Missed quizzes will be given a zero score and be considered one of the 2 dropped quiz grades.

Exams: There will be four exams worth 50 points for a total of 200 exam points. The final exam is not comprehensive, and covers material since the third exam. Un-excused missed exams will be given a grade based on the following formula.

missed exam grade = sum of remaining exam points/ total points

Excused absences must be arranged 24 hours prior to or after the exam-in-question's scheduled date.

Exam Schedule:

Exam 1	February 8
Exam 2	March 15
Exam 3	April 5
Exam 4	April 26 during regular class time.

Grading Scale: The following grade scale will be used to assign a letter grade to a student's numerical grade. A student's numerical grade will be determined by adding the total points earned by the student on exams and quizzes, and dividing this amount by 280. There is no curve, nor is any extra credit granted. Incomplete grades are not given at the end of the semester due to missed exams. It is the sole responsibility of the student to petition for an incomplete.

A	95-100	B+	85-89	C+	70-74	D	55-59	F	<54
A-	90-94	B	80-84	C	65-69				
		B-	75-79	C-	60-64				

Academic Integrity: Everything submitted for grading is expected to be a student's own work. Anything suspected otherwise will be dealt with according to the College policy.

**Lecture Sequence**

January	10:00 – 11:40	1:00 – 2:40
11	Ch. 25 Fluid Compartments	Ch. 26 Urine formation I
18	Ch. 27 Urine Formation II	Ch. 28 Renal Regulation
25	Ch. 29 Integration of Renal Mech.	Ch. 30 Acid-Base Regulation
February		
1	Ch. 31 Micturition, Diuretics	Ch. 33 Resistance I
8	<b>EXAM #1 (1/11 to 2/1 first half)</b>	Ch. 34 Resistance II
15	Ch.'s 34 & 35 Blood Groups	Ch. 62 Gen. Principles of GI
22	Ch. 63 GI Propulsion	Ch. 64 Secretary Funct. of GI
	10:00 – 11:40	1:00 – 2:40

March

1	Ch.'s 64 & 70 Liver	Ch.'s 65 & 68 Dig. & Abs.
<b>7-11</b>	<b>Spring Break</b>	
15	<b>EXAM 2 (since exam 1)</b>	Ch. 74 Intro. to Endocrine
22	Ch. 75 Pituitary Gland	Ch.'s 76 & 79 Thyroid/Para.
29	Ch 77 & 78 Adenocorticoids	Ch. 78 Insulin & Glucagon
April		
5	<b>EXAM 3 (since exam 2)</b>	Ch. 80 Male Phys.
12	Ch. 81 Female Phys.	Ch. 82 Pregnancy & Lact.
19	Ch. 83 Fetal/Neonatal Phys.	Sex Differentiation
26	<b>EXAM 4 (since exam 3)</b>	