

## MEDICAL PHYSIOLOGY COURSE 2017

### DESCRIPTION

The faculty and staff of the Physiology Department welcome you to Medical Physiology 100. We hope that your efforts to learn physiology will equal our efforts to teach you this important subject. Our overall aim is to help you acquire a thorough knowledge and appreciation of the function and control of normal organs that will serve as a basis for your understanding of clinical medicine. E.H. Starling, the famous physiologist of the early 20th century, said "The physiology of today is the medicine of tomorrow." The faculty of the Physiology Department will make a serious effort to demonstrate the veracity of this statement.

#### Objectives

The primary objective of the Medical Physiology Course is to ensure that students understand how the body works. After completing this course students should be able to:

1. Define homeostasis and explain how homeostatic mechanisms normally maintain a constant interior milieu.
2. State the functions of each organ system of the body, explain the mechanisms by which each functions, and relate the functions and the anatomy and histology of each organ system.
3. Understand and demonstrate the interrelations of the organ systems to each other.
4. Predict and explain the integrated responses of the organ systems of the body to physiological and pathological stresses.
5. Explain the pathophysiology of common diseases related to the organ systems of the body.

### ATTENDANCE

Attendance is required for all of the course activities, including: lectures, laboratory exercises, conferences, demonstrations, and examinations. Attendance *may* be taken during all course activities.

### COURSE INSTRUCTORS

Instructor	Building	Office	Telephone	Email address
Michael G. Levitzky, PhD (Director)	MEB	7205	568-6184	<a href="mailto:mlevit@lsuhsc.edu">mlevit@lsuhsc.edu</a>
Jason Gardner, PhD (Co-Director)	MEB	7265	568-7252	<a href="mailto:jgardn@lsuhsc.edu">jgardn@lsuhsc.edu</a>
Lisa M. Harrison-Bernard, Ph.D.	MEB	7213	568-6175	<a href="mailto:lharris@lsuhsc.edu">lharris@lsuhsc.edu</a>
Kathleen McDonough, PhD	MEB	7262	568-6197	<a href="mailto:kmcdon@lsuhsc.edu">kmcdon@lsuhsc.edu</a>
Patricia Molina, MD, PhD (Department Chair)	MEB	7205A	568-6187	<a href="mailto:pmolin@lsuhsc.edu">pmolin@lsuhsc.edu</a>
Barry Potter, PhD	MEB	7216	568-3385	<a href="mailto:bpotte@lsuhsc.edu">bpotte@lsuhsc.edu</a>
Betsy Giaimo (Coordinator)	MEB	7202	568-6178	<a href="mailto:mgiaim@lsuhsc.edu">mgiaim@lsuhsc.edu</a>
Graduate Assistant	MEB	7F3	568-6179	
Physiology Main Office	MEB	7C2	568-6171	

### GRADING PROCEDURES AND EXAM SCHEDULE

#### Lectures

Lectures are designed to introduce the student to a specific topic of physiology. Lecturers may integrate recent advances in the field into their lectures; some of this material may not yet be found in textbooks. Other instructors may use a more classical approach. Often you will find a combination of these two approaches. In any event, the information obtained in lectures should be supplemented with reading from

the text. Because of time restraints, questions during a lecture are not recommended. Questions may be answered between lectures or in the lecturer's office.

### *Laboratory*

The laboratories will enable you to acquire additional information that will help you to better understand some of the lecture material and related subjects.

### *Organization of Laboratory Exercises and Conferences*

Your participation in laboratories and conferences will be in small groups. These groups of students should be able to work together in a spirit of cooperation in order to complete the lab assignments most efficiently and accurately. Failure to hand in the lab reports will result in a loss of some part of the laboratory grade. Missing a laboratory session will also result in a loss of some part of the laboratory grade; attendance is taken at all laboratory exercises.

### *Grades*

All of the examinations will be given in the MDL Laboratories.

Grades for each examination may be curved (only if necessary) by adjusting the raw scores by well-established statistical procedures. Adjusted numerical grades will then be posted. If your performance on any of these examinations is below passing or just borderline, you will be notified by the Course Director and possible remedies (tutoring, etc.) will be suggested for upgrading your performance.

Clicker questions will be used for self assessment throughout the semester.

### *Examinations*

There will be five sectional examinations prepared by our faculty and a final examination prepared by the National Board of Medical Examiners. The five departmental examinations will include multiple choice type questions, similar to those found on the National Boards. **All** aspects of the course, including lectures, laboratories, demonstrations, and clinical correlations, will form the basis for each departmental examination. There will be questions on the clinical correlations on each examination.

### *2017 Examination Schedule*

<b>Exam#</b>	<b>Date</b>	<b>Time</b>	<b>Lectures Included From - Through</b>	<b>Labs Included From - Through</b>
I	Fri, Feb 3	8:30 am	1/11 - 2/2	1/11- 2/2
II	Fri, Feb 17	8:30 am	2/4 – 2/16	2/4 – 2/16
III	Fri, Mar 10	8:30 am	2/18 – 3/10	
IV	Mon, Mar 27	8:30 am	3/11- 3/24	
V	Wed, Apr 12	8:30 am	3/28 – 4/10	
<b>FINAL</b>	<b>Wed, Apr 19</b>	<b>9:00 am</b>	<b>Cumulative National Board Final</b>	

## *Final Grade*

1. Each sectional examination will represent 15.00% of the final grade.
2. The final examination will represent 25% of the final grade.

The final grades will be calculated as follows:

H	> 90
HP	= 80-89
P	= 70-79
F	< 70

## *Remediation*

In the unlikely event that it becomes necessary to remediate a failure in Physiology, a student must pass an approved summer medical physiology course before the next semester begins.

## *Ethical Considerations*

Although almost all Medical and Graduate students are honest and abhor cheating, there are a few who might consider it. The Department of Physiology will not tolerate such antisocial behavior. Therefore, we along with the other Basic Science Departments, have agreed on the following policy:

It is expected that all students will maintain a high standard of honesty. During examinations, any verbal or written communication will be with the examination proctors only. If the proctors feel that your actions suggest that you are copying answers from another student or are engaged in similar acts of cheating, their responsibility is to seek other witnesses and gather all available evidence in an attempt to determine whether or not you are cheating. You will therefore not be warned, confronted or moved during the examination. Because no material (**including calculators**) are allowed at your examination seat, any extraneous material seen in your possession will be confiscated. Refusal to give such material to proctors upon their request will be construed as an attempt to cheat. In all cases, you will be allowed to finish the examination.

In addition, signing an attendance sheet for someone else will be considered an act of cheating and will be dealt with in the same manner.