

GRADING SCALE:

A numerical grade will be given at the end of the course and will be scored as follows, per University of Florida standards:

93-100%	= A
90-92%	= A-
87-89%	= B+
83-86%	= B
80-82%	= B-
77-79%	= C+
73-76%	= C
70-72%	= C-
67-69%	= D+
63-66%	= D
<63%	= E

The final examination accounts for 45% of the total grade, Functional Genomics Research Assignment 20% of the total grade, and Problem Sets 35% of the grade.

GRADING POLICY

There are no make-up exams unless otherwise granted by the course coordinator prior to an examination date. Failure to take an exam without prior permission from the course coordinator will be recorded as 0.

ACADEMIC HONESTY

Please review the complete policy of the University of Florida regarding academic dishonesty, found in the online student handbook at: <http://graduateschool.ufl.edu/media/graduate-school/pdf-files/handbook.pdf>.

Students are expected to abide by the [University of Florida Academic Honesty Guidelines](#) and to adhere to the following pledge:

"We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity.

On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied:

"On my honor, I have neither given nor received unauthorized aid in doing this assignment."

IMPORTANT NOTICE ABOUT PLAGIARISM

Plagiarism is not tolerated at the University of Florida. Plagiarism may be punishable by expulsion from the course or the certificate program. If the plagiarism is detected after the certificate has been awarded, the certificate may be rescinded.

The University of Florida has an honor code that defines plagiarism as follows:

Section 3a: Plagiarism.

A student shall not represent as the student's own work all or any portion of the work of another. Plagiarism includes but is not limited to:

1. Quoting oral or written materials including but not limited to those found on the internet, whether published or unpublished, without proper attribution.
2. Submitting a document or assignment which in whole or in part is identical or substantially identical to a document or assignment not authored by the student.

Please note that intent is not an element of this kind of violation so it is important to take great care to complete the written assignments in your own words.

For a complete description of the UF Honor Code and procedures, please visit:

<https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>

For a good discussion about plagiarism and how to properly cite your sources, please visit:

<http://mediasite.video.ufl.edu/Mediasite/Play/adaa44500eaf460a84f238e6b9a558f9>

COURSE EVALUATION POLICY

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

FUNDAMENTALS OF PHYSIOLOGY AND FUNCTIONAL GENOMICS (1 credit hour)

Lecture 1: Introduction and Overview

Lecture 2: Overview of Human Body I

Lecture 3: Overview of Human Body II

Lecture 4: Transporters, Pumps, and Channels I

Lecture 5: Transporters, Pumps, and Channels II

Problem Set 1: Overview of Human Body and Transporters

Lecture 6: Physiology of Voltage and Concentration Gradients I

Lecture 7: Physiology of Voltage and Concentration Gradients II

Problem Set 2: Voltage and Concentration Gradients.

Lecture 8: Body Fluids I

Lecture 9: Body Fluids II

Problem Set 3: Body Fluids

Lecture 10: Receptors and Signaling I

Lecture 11: Receptors and Signaling II

Lecture 12: Autonomic Nervous System I

Lecture 13: Autonomic Nervous System II

Lecture 14: Autonomic Nervous System III

Problem Set 4: Signaling

Lecture 15: Genetic Approaches to Physiological Problems I

Lecture 16: Genetic Approaches to Physiological Problems II

Problem Set 5: Genetic Approaches

Research Assignment: ~~ENR 101~~

Final Examination