

BIOL 3730L - Human Physiology Laboratory

Fall 2026 Syllabus, Section 04, CRN 40491,

Credit hours: 1

Instructor

Stefania Panaitof

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Public Instructor Information

Instructor Title: Assistant Professor

Instructor Professional Qualifications: Ph. D., Zoology, University of New Hampshire

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Course Description

3730L. Human Physiology Laboratory. Experimental approach to the study of human physiology that explores regulation of homeostasis by the neural, endocrine, cardiovascular, respiratory, and renal systems. Three hours laboratory. Prereq. or concurrent with: BIOL 3730. 1 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Human Physiology Laboratory Manual	Stefania Panaitof	9798219025488

Custom laboratory manual available only at the YSU bookstore.

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Day	Date	Reading(s)	Proposed Topic	Due/To Prepare for Class
Tue	8/25	No classes	Purchase custom lab manual from the YSU bookstore	
Tue	9/1	Endocrine physiology	Insulin and ADH	end of class
Tue	9/8	Labor Day ** No classes **		
Tue	9/15	Spinal reflexes	Nerve conduction velocity (iWorx)	end of class
Tue	9/22	Skeletal Muscle Physiology	Grip force (iWorx)	end of class Lab Quiz 1 (7 pts)
Tue	9/29	Sensory Physiology	General senses, hearing, equilibrium, vision	
Tue	10/6	Review		
Tue	10/13	Lab Exam 1 (30 pts)		end of class
Tue	10/20	Cardiovascular Physiology	Heart and ECG (iWorx)	end of class
Tue	10/27	Cardiovascular Physiology	Blood pressure	end of class
Tue	11/3	Respiratory Physiology	Spirometry (iWorx)	end of class Lab Quiz 2 (8 pts)
Tue	11/10	Veteran's Day ** No classes **		
Tue	11/17	Review		
Tue	11/24	Thanksgiving break ** No classes **		

Tue	12/1	Lab Exam #2 (30 pts)	end of class
Tue	12/8	Finals Week ** No classes **	

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.