

BIOL 3730 - Human Physiology

Summer 2026 Syllabus, Section 01, CRN 30122,

Credit hours: 4

Instructor

Stefania Panaitof

Professional Qualifications:

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Communication Expectations:

Please include BIOL 3730 or Human Physiology as the email subject. Please do not use Blackboard message center to contact me (use YSU Outlook email).

How to Refer to me:

Dr. Panaitof

Course Description

3730. Human Physiology. Concepts of human physiology that focus on the regulation of homeostatic mechanisms by the neural, endocrine, cardiovascular, respiratory, and renal systems. Four hours lecture. Prereq.: BIOL 2602 or BIOL 2603. 4 s.h.

Prerequisite: Successful completion of BIOL 2602 or 2603. Concurrent registration in BIOL 3730L (laboratory) is not required.

Course Readings

Group	Title	Author	ISBN
Required	Human Physiology	Stuart Ira Fox	8220122851065

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	5/12	Ch.1	Homeostasis	
Thu	5/14	Ch. 3, 6	Cell physiology	Assignment 1 due end of class (2:10 PM)
Tue	5/19	Ch. 7	Neurophysiology	
Thu	5/21	Ch. 8, 9	Neurophysiology	Assignment 2 due end of class (2:10 PM)
Tue	5/26	Ch. 11	Endocrine Physiology	
Thu	5/28	Exam 1		due end of class (2:10 PM)
Tue	6/2	Ch. 12	Muscle Physiology	
Thu	6/4	Ch. 13	Cardiac Physiology	Assignment 3 due End of class (2:10 PM)
Tue	6/9	Ch. 14	Cardiac Physiology	

Thu	6/11	Exam 2		due end of class (2:10 PM)
Tue	6/16	Ch. 16	Respiratory Physiology	
Thu	6/18	Ch. 17	Renal Physiology	Assignment 4 due end of class (2:10 PM)
Tue	6/23	Ch. 17	Renal Physiology	
Thu	6/25	Exam 3		due end of class (2:10 PM)

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.