

# PHYSIOLOGY

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## Physiology (PHSO)

### PHSO 1 - Human Physiology (3 units)

*Letter Grade (LG) Only • Total hours: 51 hours lecture*

This course offers a study of the physiological principles, function, integration and homeostasis of the human body at the cellular, tissue, organ, organ system and organism level: integumentary system, bone, skeletal, smooth and cardiac muscles, nervous system, sensory organs, cardiovascular system, lymphatic and immune systems, respiratory system, urinary system, digestive system, endocrine system, and reproductive system. This course is primarily intended for nursing, allied health, kinesiology, and other health-related majors. Portions of instruction may be offered online; may also be offered fully online. [C-ID BIOL 120B with PHSO 2]

*Prerequisite(s): ANAT 1 and ANAT 2; and CHEM 30A*

*Advisory: Completion of or concurrent enrollment in ENGL 1A or ENGL 1AE*

*Credit transferable: Transfers to CSU & UC*

*UC Transfer Limits: PHSO 1, PHSO 2 and ANAT 1, ANAT 2, or ANAT 5*

*combined: maximum credit, 9 units*

*GE Credit: CSU B2 Life Science; IGETC 5B Biological Science; MPC B Natural Sciences (must include lab)*

### PHSO 2 - Human Physiology Lab (2 units)

*Letter Grade (LG) Only • Total hours: 102 hours lab*

This course offers a study of the physiological principles, function, integration, and homeostasis of the human body at the cellular, tissue, organ, organ system, and organism level: integumentary system, bone, skeletal, smooth and cardiac muscles, nervous system, sensory organs, cardiovascular system, lymphatic and immune systems, respiratory system, urinary system, digestive system, endocrine system, and reproductive system. This course is primarily intended for nursing, allied health, kinesiology, and other health-related majors. Portions of instruction may be offered online; may also be offered fully online. [C-ID BIOL 120B with PHSO 1]

*Pre/Corequisite(s): PHSO 1*

*Advisory: Completion of or concurrent enrollment in ENGL 1A or ENGL 1AE*

*Credit transferable: Transfers to CSU & UC*

*UC Transfer Limits: PHSO 1, PHSO 2 and ANAT 1, ANAT 2, or ANAT 5*

*combined: maximum credit, 9 units*

*GE Credit: CSU B3 Laboratory Activity; IGETC 5C Science Laboratory; MPC B Natural Sciences (must include lab)*

### PHSO 90 - Independent Study (0.5-4 units)

*Letter Grade (LG) or Pass/No Pass (P/NP) • Total hours: 25.5-204 hours lab*

This course provides students with the opportunity to explore topics in Human Physiology beyond the scope of the PHSO 1 and PHSO 2 curriculum. Students complete reading assignments, case studies, laboratory experiments and/or research projects tailored to their individual needs and interests. Students work with a supervising instructor to outline specific learning outcomes, objectives, and project goals for the semester. Portions of instruction may be offered online; may also be offered fully online.

*Advisory: Completion or concurrent enrollment in ENGL 1A or ENGL 1AE*

*Credit transferable: Transfers to CSU*