

PHYL 300 Homeostasis

Similar to PHYL 200. *Offered to graduate students.*

PHYL 302 Cardiovascular Physiology

Similar to PHYL 202. *Offered to graduate students.*

PHYL 304 Metabolism

Similar to PHYL 204. *Offered to graduate students.*

PHYL 308 Neurophysiology

Similar to PHYL 208 and to IDTH 308B. *Offered to graduate students.*

PHYL 310 General Physiology: Cellular Mechanisms

Similar to PHYL 210. *Offered to graduate students.*

PHYL 311-312 Advanced Physiology**32.0; 2 cr.**

A guided study (experimental and theoretical) of the literature of the major topics in physiology. This course is conducted as a seminar. *Annually.*

PHYL 313-314 Physical Methods in Physiological Research**0.64; 2 cr.**

A guided laboratory course of the physical methods used in the major branches of physiology. *Annually.*

PHYL 317 Perspectives in the Physiological Sciences**32.0; 2 cr.**

A course on the study of selected readings and seminars in the history, philosophy, and methodology of the physiological sciences designed to give the student a broad view of the field of biology and its implications in everyday life. *Annually.*

PHYL 324 Electrophysiology of Excitable Cells**12.9; 1 cr.**

A course on the study of the basic mechanisms of membrane cable property and resting potentials in all cells, action potential initiation and propagation in excitable cells, receptor physiology, central synaptic transmission, neuromuscular transmission, and muscular contraction. *Annually.*

PHYL 390 Directed Reading and Research**Credit hours vary**

Assignments based on the research interests of the graduate student and the adviser, aimed at formulating an original research project. *Annually.*

PHYL 391-392 Projects in Physiology**0.64; 2 cr.**

A physiological literature survey covering a given subject in the field. *Annually.*

PHYL 397-398 MS Thesis**Credit hours vary**

Original research under staff supervision, leading to the MS degree.

IDTH 208 Basic Neuroscience

See Interdepartmental Teaching.

PHYL 260 Elective in Physiology**0.180-360.**

An elective that covers one or more areas of physiology such as special physiologic techniques, general physiology, experimental gastroenterology, experimental neuroscience, and the physiology of cardiac and vascular smooth muscles. *One to two months.*