

# Physiology

**PHS 556 Literature Reports 1 cr**

Students and faculty participate in a supervised reading of the current literature and meet periodically to interact in a discussion of selected article or topic. The goal of this course is to maintain the faculty's and students' level of information at a "state of the art" in both methods and theory in the discipline and to develop critical skills in reviewing the literature. Student presentation is required to receive credit.

**PHS 557 Dir St Physiology 1 TO 6 cr**

Students participate in research under the direction of a graduate faculty member. Student may pursue independent research or participate in a literature project. This course should be taken by students who have completed their lab rotations, but have not yet submitted a formal research project.

**PHS 590 Special Topics - 1 TO 3 cr**

Each course provides in-depth tutorial exposure to specific areas in the discipline. Student and/or faculty presentations followed by group discussions (usually in the Socratic mode), examine the subject matter in an area of current interest either to one student or to a group of students. Credit and title are arranged with an individual faculty member.

**PHS 651 Adv Cardiovascular Physiology 5 cr**

This is an advanced course covering cardiac function and metabolism, peripheral circulation, and microcirculation. The objective is to provide the student with a thorough understanding of cardiovascular physiology at both the organ and cellular level.

**PHS 654 Transport Physiology Barriers 2 cr**

This course is designed to present a detailed analysis of physiological membranes and the physical principles governing the movement of solute and water across these barriers.

**PHS 656 Cell Signaling Seminar 1 cr**

Students present a research topic for discussion before members of the department. The presentations are usually scheduled on a rotational basis. The student may present research data for critique by the faculty.

**PHS 799 Research-Dissertation 1 TO 6 cr**

Independent research by the student under the sponsorship of the graduate faculty in individual departments in the Basic Medical Sciences. Students are required to submit a research project description form before enrolling in this course. Progress reports of the work accomplished are required every six months.