INTEGRATED PHYSIOLOGY (IPHY)

IPHY 6001 - Human Physiology (4 Credits)
This course in Physiology is designed to provide an understanding of the functions of cells, tissues, and organs in the human body and the overall integration of organ functions in the body as a whole. Course restrictions: B.A. or B.S. including Biology, Chemistry and Physics
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Spring.

IPHY 7650 - Research in Physiology & Biophysics (1-10 Credits)
Research work in Physiology and Biophysics. Prereq: Consent of Instructor.
Grading Basis: Letter Grade with IP
Repeatable. Max Credits: 99.
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

IPHY 7651 - Reading & Evaluating the Clinical Literature (2 Credits)
Interactive seminar introduces key concepts in clinical study design, basic statistics, & clinical research assessment. Become familiar with clinical study types; rigorously assess the literature; and appreciate how to incorporate clinical data in bench research. Requires presentations, manuscript review, and discussion. Pre-Req: Successful completion of the first year of PhD courses or two years of MSTP training.
Grading Basis: Letter Grade
Typically Offered: Fall.

IPHY 7652 - Special Topics in Reproductive Science (1-3 Credits)
This course provides instruction in a specialized area of Reproductive Science. Course content and the extent of the course varies from year to year. Prereq: Enrollment in PhD Program in Graduate School.
Grading Basis: Letter Grade
Repeatable. Max Credits: 3.
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

IPHY 7800 - Comprehensive Physiology (6 Credits)
The course will provide an understanding of the function, regulation and integration of human organ systems. Content will include introductory to cell physiology and all major organ systems and will be taught by experts in each organ system.
Grading Basis: Letter Grade
Typically Offered: Spring.

IPHY 7801 - Molecular Mechanisms of Reproductive Endocrinology and Metabolism (3 Credits)
Endocrine systems will be covered from the molecule to the systems level. Pituitary secretions actions/ regulation, regulation of water, ion, calcium balance, regulation of metabolism including insulin secretion/action will be discussed, the context of normal physiology, the mechanisms of endocrine dysfunction. Prereq: Core courses IDPT 7811, 7812, 7813, 7814, 7815. Restrictions: CU-AMC Graduate students; others by permission of the Course Director.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Spring.