

Human Physiology II (Principles of Physiological Regulation)

Kinesiology 306

Section: D100

Term: 2011 Fall

Instructor: Instructors:

Dr. William Cupples (K9644) and Dr. Dan Marigold (K8625)

Discussion Topics: Course overview

This course covers organ systems involved in information processing and communication (endocrine and nervous systems), regulation of body fluid balance (G.I. system, kidneys, and endocrine system), of energy balance (G.I. system, metabolism, and endocrine system), and reproduction. Throughout the course, emphasis will be placed upon regulatory mechanisms that stabilize or otherwise adjust function to suit the organism's needs.

WebCT will be used for this course. The lecture notes will be posted after each lecture has been delivered. The purpose of this is twofold. First, learning is an active process on your part and requires subsequent reinforcement of the material covered in lecture. Second, notes posted after a lecture better reflect the lecture that was actually delivered.

Topics

Fluid balance & kidneys

Gastrointestinal tract

Metabolism

Reproduction

Neural propagation

Auditory, somatosensory, vestibular, and visual systems

Cerebellum and basal ganglia

Brainstem and cortical regulation of movement

Grading: Evaluation

10% Tutorial

25% Midterm 1 (October 5, 2011)

25% Midterm 2 (November 4, 2011)

40% Final Exam (December 7, 2011)

Physiology is an integrative discipline, meaning that you are always building on the base of understanding you have already established and that you are always re-evaluating that base as you acquire new information and understanding. Consequently examination of this course is cumulative. That is, the final examination can address any and all material covered in the course.

In addition, you MUST pass the final exam in order to pass this course.

Required Texts: Required Text:

Human Physiology II (Principles of Physiological Regulation)

Berne & Levy Physiology, BM Koeppen & BA Stanton, eds, 6th edition, updated, Mosby 2010

Recommended Texts:

Materials/Supplies:

Prerequisite/Corequisite:

Notes: Failure to attend an examination

Students who miss examinations due to exceptional circumstances (such as serious illness or compassionate reasons) are required to obtain a physician's certificate, whereby the physician states that you were unable to write your midterm or final on the set date due to a medical condition beyond your control, or other supporting documents in order to obtain consideration in the course. Appropriate departmental and SFU forms for this purpose are available from the instructor or from the departmental office (Shrum Science Centre, K9625). Such documents must be filed with the Dept. Chair (via the Biomedical Physiology and Kinesiology office) or Registrar within four (4) calendar days of the date on which the examination was to have been written. Exceptional circumstances must be approved by the Undergraduate Program Committee in order for a student to receive consideration.

Students must check the exam schedule when making course selections. Students are reminded that final examinations may be scheduled at any time during the examination period and that students should avoid making travel or employment arrangements for this period.

Office hours and other contact

Office hours and location that best suit instructors and students will be determined in the first lecture period.

We will answer any questions you have via WebCT but not via my SFU Connect account. We will answer questions via WebCT once a day between 9:30 a.m. and 5:00 p.m. Monday through Friday. We will NOT answer questions at night, on the weekend, or during holidays. This applies also to the TA.

Academic honesty and student conduct

Academic honesty is a condition of continued membership in the University community.

Academic dishonesty, including plagiarism or any other form of cheating is subject to serious academic penalty, i.e. failure on an assignment, failure in a course, suspension or expulsion from the University. It is highly recommended that you take the Library's tutorial on plagiarism. See <http://www.lib.sfu.ca/help/writing/plagiarism>

The University codes of student conduct and academic honesty are contained in policies T10.01 and T10.02 which are available in the Course Timetable and on the Web via <http://www.reg.sfu.ca>

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August 2011

This outline is derived from a course outline repository database that was maintained by SFU Student Services and the University's IT Services Department. The database was retired in 2014 and the data migrated to SFU Archives in 2015.