

Memorandum

March 29, 2018

TO: Center for Pre-Health Advising

FROM: Biocore 485/486 course chair Michelle Harris, Physiology 335 course director Kevin Strang, and Physiology 435 course director Andrew Lokuta

RE: UW-Madison undergraduate physiology courses

This memo seeks to clarify corresponding and comparable undergraduate physiology coursework in the Biocore program and the *Kinesiology Department, as agreed upon by instructors of Biocore **485 (3 credits), Physiology 335 (5 credits), and Physiology 435 (5 credits).

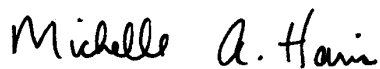
1. Students in Biocore 485, Physiology 335, and Physiology 435 gain comparable exposure to and practice working with key physiological principles. These principles include neurobiology, endocrinology, gas exchange, membrane transport, osmoregulation, cardiovascular physiology, digestion, reproduction, and homeostasis/feedback regulation. We thus consider Biocore 485, Physiology 335, and Physiology 435 to be commensurate with regard to these core aspects of physiology.
2. Undergraduate students who take Biocore 485 should not be advised to take Physiology 335 or Physiology 435, if they intend to apply to professional programs that do not specifically require a Physiology lab course***. The physiology content covered in Biocore 485 is commensurate with that in Physiology 335 or Physiology 435 and, therefore, much of the course content would be redundant.

*The Physiology 335/435 courses were formerly housed in the SMPH Neuroscience Department.

** Biocore students who are applying to professional programs requiring both a Physiology lecture course and lab course should be advised to take Biocore 485 lecture (3 credits) and Biocore 486 lab (2 credits).

***e.g., the UW-Madison Physician Assistant Program only requires an undergraduate Human Physiology lecture course as a prerequisite. <https://www.med.wisc.edu/education/physician-assistant-pa-program/admission-requirements/#equivalent>

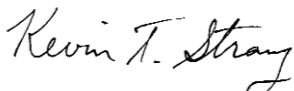
Sincerely,



Michelle A. Harris, PhD
Faculty Associate
UW-Madison Biology Core Curriculum (Biocore)
Biocore 485/486 course chair



Andrew J. Lokuta, PhD
Faculty Associate
Dept of Kinesiology, School of Education
Course Director, Physiology 435



Kevin T. Strang, PhD
Distinguished Faculty Associate in Neuroscience/Physiology
Course Director, Physiology 335