

COLLEGE OF CHEMISTRY COURSE GUIDE (../INDEX.HTML)

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IB 123AL - EXERCISE AND ENVIRONMENTAL PHYSIOLOGY WITH LABORATORY (5 UNITS)

(Taken from the UC Berkeley Course Guide (<http://guide.berkeley.edu>))

COURSE OVERVIEW

SUMMARY

Discussion of how chemical energy is captured within cells and how potential chemical energy is converted to muscular work. Energetics, direct and indirect calorimetry, pathways of carbon flow in exercise, ventilation, circulation, skeletal muscle fiber types. Laboratory component of the course is to obtain practical experience in the measurement of physiological parameters and to be able to compile, compare, contrast, and interpret physiological data. Laboratory demonstrations and exercises will explain lecture content.

PREREQUISITES

Biology 1A, Chemistry 3B and Integrative Biology 132 or Molecular and Cell Biology 136

Fall only

WORKLOAD

TIME COMMITMENT

3 hours of lecture and 3 hours of laboratory per week.

COLLEGE OF CHEMISTRY PEER SERVICES

Made by Angela Lee, c/o 2019



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