Environmental Physiology of Domestic Animals

Learning Objectives  Using active and self-directed learning techniques, empower students to learn and apply principles of environmental physiology over a lifetime.

Learning Coach  Coach Allrich rallrich@purdue.edu or rod@rodallrich.com

Course Topics
Thermoregulation  Homeostasis  Behavior
Cohorts  Photoperiod  Reproduction
Gases  Role of Genotype  Altitude
Sensory Systems  Water Balance  Phytotoxins
Metabolism  Hyperbaric Chambers  Pheromones
Nutrition  Heat Transfer Mechanisms  Telemetry
Parasites  Environmental Hormones  E. Enrichment

Course Website:  www.rodallrich.com  Web links lead to required reading material (No textbook required)

Class Meeting Times/Place:  M & W @ 11:30 am in Smith 118
Study Session Times/Place:  M & W @ 12:30 pm in Smith 118

Exams:  Four scheduled during semester (100 pts. each). All four exams count toward point total for grade determination (400 total points). Exam dates are:  2/1  3/1  3/29  4/19
There will be no final exam—we already did 4 exams for a 2 credit class!

Exam Makeups:  Makeups possible only for special reasons such as serious illness, funerals, etc. Makeups must be arranged prior to the time of the to-be-missed exam. Exam makeups may be oral or written or some combination of written & oral.

Student Presentations:  Each student will give a 5 minute presentation (worth up to 50 pts) in class. More details will be given in class.

Dead Week Policy:  No class meetings scheduled. Instruction time (100 minutes) from this week will be conducted during the semester via assigned YouTube instructional videos.

Bad Weather Policy:  In the event that Purdue cancels classes, Rod will send an email to students describing how the schedule of course events is affected by the cancellation.

Smart phones, etc.:  Must be put away during class. Each violation = 25 point loss on next exam.

Course Grade:  There are 450 total points possible for the semester. We will use the plus minus grading system as outlined below:

A plus (4.0) 97.0-100.0 %  A (4.0) 93.0-96.9 %  A minus (3.7) 90.0-92.9 %
B plus (3.3) 87.0-89.9 %  B (3.0) 83.0-86.9 %  B minus (2.7) 80.0-82.9 %
C plus (2.3) 77.0-79.9 %  C (2.0) 73.0-76.9 %  C minus (1.7) 70.0-72.9 %
D plus (1.3) 67.0-69.9 %  D (1.0) 63.0-66.9 %  D minus (0.7) 60.0-62.9 %  F (0.0) < 60.0 %