

## 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](http://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 %