# 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

**Course Topics:**

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|---|---|---|
| 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 @ 11:35 am in CRTN 1011**

**Study Sessions Times/Place: 12:30-2:20 pm in CRTN 1011**

**Exams**: Four scheduled during semester (100 pts. each). All four exams count toward point total for grade determination (400 total points). **Exam dates are: 1/23 2/20 3/27 4/17**
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.

**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 400 total points possible for the semester. We will use the plus minus grading system as outlined below:

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|---|---|---|---|
| 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 % |

**Notes:**