30473-COMPARATIVE PSYCHOLOGY

Fall, 2018

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TR, 15:30-16:50, WIN 228
Objectives

The main goal is to provide you with knowledge about the factors that contribute to the evolution and development of brain-behavior relationships. You will learn a basic vocabulary and a set of concepts and theories that will enable you to appreciate the importance and scope of comparative psychology. This course is organized around five fundamental topics: evolutionary theory, brain evolution, animal learning and cognition, behavioral development, and primate evolution.
Climate change:  

Aug/21-Sep/4: Animal evolution (5 lectures).
Sep/6 - **FIRST EXAM**: Class material (lectures, videos, etc.) and readings (Ch. 2-3).

Sep/11-25: Learning and cognition (5 lectures).
Sep/27 - **SECOND EXAM**: Class material and readings (Ch. 8-9).

Oct/2-18: Brain-behavior evolution (5 lectures).
Oct/23 - **THIRD EXAM**: Class material and readings (Ch. 5-6).

Nov/13 - **FOURTH EXAM**: Class material and readings.

Nov/15-Dec/5: Primate evolution (5 lectures).
**FIFTH EXAM** and **MAKE-UP EXAMS** for GRADUATING SENIORS:  
2:00-4:30 pm, Thursday, Dec/6: Class material and reading (Ch. 14).

**FIFTH EXAM** and **MAKE-UP EXAMS** for NON-GRADUATING STUDENTS:  
2:00-4:30 pm, Thursday, Dec/13: Class material and reading (Ch. 14).
Exams

There will be 5 exams, each worth a maximum of 40 points (maximum total points in exams: 200; see below). In terms of reading material, there will be no overlap between the exams. There will be no comprehensive final. Each exam will involve 40 multiple-choice questions, each with 4 alternatives, only one correct alternative per question, and each question will be worth 1 point.

Missing Exams

Make-up exams will be given immediately after the final exam according to the following schedule:

FIFTH EXAM and MAKE-UP EXAMS for GRADUATING SENIORS:
2:00-4:30 pm, Thursday, Dec/6: Class material and reading assignment.

FIFTH EXAM and MAKE-UP EXAMS for NON-GRADUATING STUDENTS:
2:00-4:30 pm, Thursday, Dec/13: Class material and reading assignment.

Exam Requirements

(1) **PERSONAL PROPERTY** (backpacks, clothing, etc.): All personal property/items will be on the floor next to you or at the front of the room.
(2) **LEAVING THE ROOM**: Once you are in possession of an exam, you will not be permitted to leave the room until you complete the test.
(3) **FOOD/DRINKS**: No food or drinks are allowed in the classroom.
(4) **ADJACENT EXAMS**: Resist the temptation to look at others' exams and protect your own exam from being viewed by others.
(5) **COMPUTERS, PHONES, WATCHES**: You must turn off your computer, and put your phones and watches away in a pocket or backpack.
(6) **HATS**: You are not allowed to wear hats during an exam.
(7) **EXAM**: Under no circumstances may exam questions or any part of an exam be removed, reproduced, and/or disclosed by any means (hard copy, verbally, electronically, etc.) to any person or entity.
Failure to comply with these instructions may result in the immediate termination of the exam and an assignment of a zero score for that exam. The Dean’s office will also be notified of the violation.

**Extra Points**

You can earn up to 10 extra points by answering questions at the end of each exam.

For each hour of participating in research through SONA systems, two points will be added to your final course score, up to a maximum of 10 extra points. Please note the following:

1. Because the grading scale is 0-200 (see Grading below), there is no guarantee that your final grade will be increased as a result of collecting extra points by participating in experiments.

1. There is no guarantee that enough experiments will be available to participate in for you to collect all 10 credits.

1. Let me know no later than Tuesday, January 30/2018, if you are unwilling or unable to participate in experiments. In such a case, you will be able to collect a maximum of 10 extra points by writing a paper (APA style, Times New Roman 12 font, 1-inch margins, 15 pages of narrative minimum not counting the title page and references). I will assign you with a topic. The deadline for submitting the paper is: Tuesday, April 3/2018.

Questions about the SONA systems must be directed at Dr. Uma Tauber (uma.tauber@tcu.edu) or Hanna Bradshaw (h.k.bradshaw@tcu.edu). Instructions on how to register for participation in experiments (SONA systems) can be found here:

http://psychology.tcu.edu/current-undergraduate-students/sona-systems
Grading

Your final score will be the sum of the scores obtained in the 5 exams plus the extra points (maximum extra points: 10). Thus, a student who scores the maximum number of points will have a final score of 210 (200 from exams plus a maximum of 10 from extra points). Letter grading from your final score:

- A: above 180 points.
- B: 160-179 points.
- C: 140-159 points.
- D: 120-139 points.
- F: below 120 points.
Plant behavior?

https://www.youtube.com/watch?v=g0LFBM3hOLs
Duration: 20 s
Unicellular predation?

https://www.youtube.com/watch?v=pvOz4V699gk
Duration: 44 s
Fish expectations?
Parrot fear?

https://www.youtube.com/watch?v=3QZgkkb2OwU
Duration: 28 s
Altruistic buffalo?

http://www.youtube.com/watch?v=LU8DDYz68kM
Duration: 8:23 min
Cooperating chimps?

https://www.youtube.com/watch?v=o2B1AJ3ZaUAD
uration: 2:13 min
“What is the evidence for evolution”

https://www.youtube.com/watch?v=IIeO5KdPvg
(11:21 min)