

**ZOOL 3600 – Animal Behavior****Spring 2016**

Instructor: Dr. Ann Kohlhaas

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office and hours: N275, Mon &amp; Wed 1:30 - 3 p.m., and by appt.

Course Time and Location: MWF 8 – 8:50am, C201

Textbook: Principles of Animal Behavior, 3rd ed. by L. A. Dugatkin, 2014

**Tentative Schedule:**

<b><u>Date</u></b>	<b><u>Subject</u></b>	<b><u>Chapters</u></b>
Jan 29	Introduction to Study of Behavior	1
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Feb 1	(cont.)	
Feb 3	Evolution of Behavior	2
Feb 5	(cont.)	
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<b>Feb 8</b>	Hormones and Neurobiology ( <b>Pres. Paper Due</b> )	3
Feb 10	(cont.)	
Feb 12	(cont.)	
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<b>Feb 15</b>	<b>Quiz 1 (50 pts.) &amp; Molecular...</b>	
Feb 17	Molecular Genetics and Development	4
Feb 19	(cont.)	
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Feb 22	Learning	5
Feb 24	(cont.)	
Feb 26	(cont.)	
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Feb 29	Cultural Transmission	6
Mar 2	(cont.)	
<b>Mar 4</b>	<b>Quiz 2 (50 pts.) &amp; Sexual Selection...</b>	
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Mar 7	Sexual Selection	7
Mar 9	(cont.)	
Mar 11	(cont.)	
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Mar 14	Mating Systems	8
Mar 16	(cont.)	
Mar 18	(cont.)	
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<b>Mar 21</b>	<b>Quiz 3 (50 pts.) &amp; Kinship ...</b>	
Mar 23	Kinship	9
Mar 25	(cont.)	
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**Mar 28 → Apr 1 SPRING BREAK**

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Apr 4	(cont.)	
Apr 6	Cooperation	10
Apr 8	(cont.)	
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Apr 11	(cont.)	
<b>Apr 13</b>	<b>Quiz 4 (50 pts.) &amp; Foraging..</b>	
Apr 15	Foraging	11
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Apr 18	(cont.)	
Apr 20	Antipredator Behavior	12
Apr 22	(cont.)	
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Apr 25	Communication	13
Apr 27	(cont.)	
<b>Apr 29</b>	<b>Quiz 5 (50 pts.) &amp; Habitat...</b>	
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May 2	Habitat Selection, Territoriality, & Migration	14
May 4	(cont.)	
May 6	Aggression	15
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May 9	(cont.)	
May 11	Play	16
May 13	(cont.)	
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<b>May 16</b>	<b>Quiz 6 (50 pts.)</b>	
May 18	Open Topic	
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<b>Friday, May 20 FINAL EXAM (50 pts.) at 8:30 am</b>		
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**Purpose of Course:** To gain a broad knowledge of animal behavior, its proximate and ultimate causes, and its scientific study.

**Grading:**

6 midterm quizzes (lowest dropped), 50 pts. each	250 pts.
1 presentation	50 pts.
<u>1 final exam, 50 pts.</u>	<u>50 pts.</u>
Total	350 pts.

Grades will be assigned on a percentage of the possible points earned, thus  
A = 90+%; B = 80-89.5%; C = 70-79.5%; D = 60-69.5%; F < 60 %.

NOTE: there will be no “+” or “-” grades given. Also note that Credit/No Credit is not an option for this course.

**Quizzes:** Quizzes will be on material presented in lectures, student presentations, and readings from the textbook. Exam format may include essay questions, definitions, short answers, fill in the blanks, and multiple-choice. Always bring scantron 882. The final exam will be comprehensive.

\*\*Note that your highest five quiz grades will be used in the calculation of your final grade. Quizzes will only be given as scheduled. There are no makeup quizzes. A quiz missed for any reason will automatically be the lowest and thus will be the dropped grade. There will be no deviation from this policy unless two or more quizzes are missed and all were for absolutely unavoidable, independently verifiable, and university-approved reasons (e.g. two hospitalizations!).

**Final Exam:** This will be comprehensive. Much of the exam is likely to come from the quizzes.

**Alternative Grading:** If you are satisfied with your grade average from all six quizzes plus the presentation (no dropped quizzes and without extra credit), then you can skip the final and take that average. If you miss the final for any reason, you will have this alternative grading. If you take the final, it will definitely count as listed above in “**Grading:**” and any extra credit will be added in.

**Presentation (journal article):**

The purposes of this presentation are to increase familiarity with scientific literature and to practice communications skills. This presentation will be on published refereed scientific paper on animal behavior. Your presentation will be a 6-10 minute oral presentation of a recently published behavioral research paper. Each presentation has two parts: an oral presentation and a written outline. (More information is given on a separate handout.)

The presentations must be on research papers (at least 6 pages long) published in scientific journals in 2015 or 2016. Two journals that I highly recommend are Animal Behaviour and Behavioral Ecology. These are completely available to you online via our library. Articles from other journals will also be considered.

Two methods of searching for articles:

1) Look through recent journals to see what has been published.

[www.csustan.edu](http://www.csustan.edu) → Library → Find Books & Articles → E Journals A-Z  
→ type in journal name

2) Search by topic.

[www.csustan.edu](http://www.csustan.edu) → Library → Find Books & Articles → Articles by Subject  
→ Biological Sciences → choose a database

Note: You do not need to buy an article! There are literally hundreds, maybe even thousands, of appropriate articles available to you for free. If you cannot get a particular article online for free, I suggest you choose another article. You can also consider asking Interlibrary Loan if they can get you a particular article that is not available online.

→When you think you have a paper that you want to present, bring a pdf copy of the first title page.

**Proposed presentation articles must be submitted to your instructor by February 8.** (Sooner is better and I will give priority of paper choice and scheduling to those who bring their requests earlier.)

**NOTE:**

- Late materials will be deducted 10 % points for each weekday late.
- Presentations that are not given as scheduled will lose 5 pts. per day late.

**Extra Credit:** You may earn up to 10 pts. extra credit. You must obtain prior approval for the work from your instructor and sign a liability waiver for any outside work. Examples of work that are likely to be approved include: helping with a conservation-related project at a park or refuge, helping with conservation-related research, or writing a 2-page abstract on a preapproved 2015 or later journal article. Note that any extra credit work is not a requirement for this course and that you must personally accept liability for your participation in any extra credit work. Also note, that any extra credit work must be approved by April 25 and will be due by May 6 at the beginning of class. No extra credit work will be approved after that time and final grades will be final.

**Other:**

- 1) The prerequisite for the course is completion of BIOL 1050 and 1150 (or equivalent courses at another university/college) with grades of C or better. If you have not completed this prerequisite, you need to drop the course or see me if you think you have other suitable coursework.
- 2) Cheating and other forms of academic dishonesty (ex. plagiarism) will result in an automatic grade of F in the course. Note that plagiarism is using another's words without acknowledging the source. It includes minor tweaking of sentences and near quotes. Thus, when you do your presentation and associated outline, be sure that you use your own wording. Some special phrasings must stay the same to retain meaning, but "lifting" of entire sentences or using entire paragraphs with just some minor rewording are both considered plagiarism!
- 3) Let me know if there is some reason why you need your cell phone on during class. Otherwise, cell phones should be **OFF** during class. This includes texting which is both rude and disruptive to your concentration and mine. Research has shown that "multitaskers" have decreased comprehension and accomplishment than "single taskers." When you are in class, be totally in class.
- 4) Audio and video recording of this class are not allowed. Let me know if you have some reason why you think you should have an exception to this.