Biology 4346-110
CRN 10114
Spring 2020
Texas A&M University-Central Texas

COURSE DATES, MODALITY, AND LOCATION
Course dates: January 13th - May 6th
Warrior Hall, Rm 305
8:00-9:15, Mondays and Wednesdays
This course meets face-to-face two times a week, and students are expected to be prepared for class by reading the chapter and doing the required homework to turn in for each chapter.

This course uses the A&M-Central Texas Canvas Learning Management System [https://tamuct.instructure.com].

INSTRUCTOR AND CONTACT INFORMATION
Instructor: Angela Parsons
Phone: 512-695-1612
Email: aparsons@tamuct.edu

Office Hours
I will be available by appointment.

Student-instructor interaction
I will check my email once a day, but if you have an urgent question or would like to schedule a time for help, call my cell phone or text me. Make sure you identify yourself if you text me.

WARRIOR SHIELD
Emergency Warning System for Texas A&M University-Central Texas
Warrior Shield is an emergency notification service that gives Texas A&M University-Central Texas the ability to communicate health and safety emergency information quickly via email, text message, and social media. All students are automatically enrolled in Warrior Shield through their myCT email account.

Connect to Warrior Shield by 911Cellular [https://portal.publicsafetycloud.net/Account/Login] to change where you receive your alerts or to opt out. By staying enrolled in Warrior Shield, university officials can quickly pass on safety-related information, regardless of your location.
COURSE INFORMATION

Course Overview and description: Study vertebrate and invertebrate animal behavior. Basic topics include animal learning, mechanisms of behavior, foraging, competition, defense, aggression, sensory systems, communication, mating systems and parental care behavior. Prerequisite(s): BIOL 1407.

Course Objective:
Student Learning Outcomes:

Students will:

a. identify and discuss general principles of behavior (e.g. mating, communication, and feeding) across taxa
b. apply understanding of these principles through a research project on an aspect of animal behavior
c. critically evaluate and discuss theories of animal behavior
d. observe and differentiate behaviors in nature

Required Reading and Textbook(s):

COURSE REQUIREMENTS

Course Assessments:

Three lecture exams 30% 100 points each
Exam 1 Chapters 1-5, includes SLOs a,c,d
Exam 2 Chapters 6-10, includes SLOs a,c,d
Exam 3 Chapters 11-14, includes SLOs a,c,d

Final Comprehensive Exam 20% 100 points
Includes SLOs a,c,d

Term Paper 15% 100 points
Includes SLOs a-d

Oral Paper Presentation 10% 100 points
Includes SLOs a-d

Chapter HW notes 20% 100 points
Includes SLOs a,c,d
These will be checked for completion at the start of class. Students must thoroughly answer questions to receive full credit for the notes. These must be handwritten and will not be accepted if computer generated or emailed.

Participation/Attendance 5% 100 points
BIOL 4346 Animal Behavior
Term Paper

Assignment: Write an 8-10 page paper on one of the topics listed below (topics may not be duplicated – to be determined on a first come, first served basis). Turn in online and bring a hard copy on the due date!

General: Remember that the audience for this paper is a college educated biologist, so very simple terms need not be defined. However, proper use of citations is expected, please see below for instructions. I expect you to proof read your papers for any of spelling and grammar mistakes as I will take off points for this. If you feel that you need help writing, feel free to take advantage of the wonderful people at the TAMUCT writing center, be sure to make an appointment first and do not wait until the last minute!
**Be assured that the university has a strict policy on plagiarism and cheating. I will uphold that policy and anyone caught conducting academic dishonesty will receive a zero – consider yourself warned!**

Research: I expect that you will research your topic using the library, the internet, your textbook and, especially, professional journals. Use a variety of sources, not just the internet (I will take off points if more than 40% of your sources are from the internet). Be very careful when reading information that is not from a peer-reviewed source (i.e. not professional journals) because many groups/people tend to post information that serves their particular agenda and is not necessarily scientifically correct (I have seen several of these). I expect that if you use one of these sources, you will check the validity of their facts.
Be sure to introduce and define your topic broadly first, then give more detail and examples to demonstrate your points. You should also end with a summary section that neatly ties the paper together. Tables, figures and pictures are to be on separate pages at the end of the paper (after references); they are not to be inserted in the pages of text.

Text Format guidelines (I will be strict about this):
1. Double spaced lines (except for literature cited, which should be single spaced)
2. 1 inch margins (check this, most defaults are 1.5; you can change it in page setup)
3. Times New Roman font, size 12
4. No space between paragraphs
5. No page breaks between sections
6. No cover pages or binders!
Citations:
Citing within the text of your paper:
1. One author: Smith (1999) reported ....
2. Two authors: Smith and Jones (2003) observed ....
3. More than 2 authors: Smith et al. (1990) examined...
4. Stating a fact: Trees have leaves (Jones 1997).

Example of citing within text:
Induction of the lens was first studied in detail by Spemann (1938). Recent studies have revealed the interactions among eye cells after the initial determination of the eye (Chang and Harris, 1998), as well as some of the molecules involved in eye cell determination (Chow et al., 1999). The data have revealed similarities between the genes used in the development of the eyes in both fruit flies and vertebrates (Perron and Harris, 1999).

Literature Cited guidelines:
1. Book example: Author. Year. Title. Publisher.
3. Internet example: Author. Year. Title. HTTP address.

Other miscellaneous:
The following hints will improve your writing:
1. Avoid long run-on sentences. We are trying to write concisely and clearly. Don’t use twelve letter words when simpler ones will do just fine.
2. Genus and species names in Latin are always italicized or underlined. Only the first letter of the genus is capitalized. Ex. Homo sapiens, Danaus plexippus, etc…
3. Write numbers as numerals when they are associated with measurement units (2 km), spell them out only for numbers < 10 (e.g. five hamsters; 20 geese). Always spell out a number if it is the first word of a sentence.
4. DON’T use quotes. Follow the advice of Ralph Waldo Emerson, who said, "I hate quotations. Tell me what you know." Instead, paraphrase the author and cite him/her. Quotes interrupt the flow of your text.
5. Don’t use contractions in formal writing.
6. Scientific writing is formal communication. Don’t use conversational language, colloquialisms or slang.
7. Proofread, proofread, proofread!
8. Some frequently misused/misspelled words (spell check will not catch most of these):
   a. **affect/effect** "Effect" is a noun (usually). "Affect" is always a verb. “The effect of their misuse will be that your grade will be affected by subtracting five points”.
   b. **it’s/its** "It’s" is the conjunction "it is". "Its" is the possessive form
c. their/there/they’re I assume this is just carelessness, proofread your paper.
d. between/among Between refers to two things, while among refers to more than two.
e. fewer/less Use "fewer" if you can count the items, "less" if you can't. (less water, but fewer boats)
f. amount/number Use 'amount' if you can't count them, "number" if you can. (The amount of sand and the number of rocks)
g. oftentimes Drop the "times"; it's redundant.
h. different from / different than Different from is correct; different than is not.
i. than/then “than” refers to a comparison – proofread your paper for mix-ups
j. The word data is plural and the word datum singular

Suggested Research Topics: *Any topic not on this list must be cleared with Mrs. Parsons first!*
- Learning, memory, and foraging
- Inclusive fitness and Hamilton’s rule
- Mechanisms of global orientation in migratory animals
- Overt vs. covert sexual selection
- When animals choose mates for “good genes”, what do they really get?
- What do females gain by extra-pair copulations? A review of theory & data
- Slave-making in ants
- Reversed sex roles – when males are choosy
- “Mr. Mom” – male parental care
- Reproductive competition among females
- How mammals recognize their relatives
- Limits on evolutionary arms races between predators and prey
- Learning and development of simple behaviors
- Why and how females choose the sex of their offspring
- The dilemma of infanticide in animals
- Territoriality in bird species
- Parent-offspring conflict
- Parental care patterns in r-selected species
- Sexual conflict: causes and evolutionary consequences
### Term Paper Grading

<table>
<thead>
<tr>
<th>Component</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Topic Approval (5%)</td>
<td>Due January 22, 2020</td>
</tr>
<tr>
<td>Annotated outline (20%)</td>
<td>Due February 3, 2020</td>
</tr>
<tr>
<td>(includes citations)</td>
<td></td>
</tr>
<tr>
<td>First Submission (25%)</td>
<td>Due March 2, 2020</td>
</tr>
<tr>
<td>(Note: this is not a “rough” draft! You are expected to have a full paper submitted)</td>
<td></td>
</tr>
<tr>
<td>Final Submission (50%)</td>
<td>Due April 13, 2020</td>
</tr>
</tbody>
</table>

*Term paper rubric on next page*

**NOTE!** All parts of the term paper need to be submitted online through Canvas AND turned in as hard copies to the teacher on the due date. Point deductions for late work apply here as well, so there will be a **50% deduction** for each day late.
<table>
<thead>
<tr>
<th>Category</th>
<th>Exceeds expectations</th>
<th>Meets expectations</th>
<th>Below expectations</th>
<th>Does not meet expectations</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>Thoroughly addresses the topic. Engages reader. Logical progression from broad to narrow topic. Clearly states main topic and previews structure of paper.</td>
<td>The introduction states the main topic and previews the structure of the paper.</td>
<td>The introduction states the main topic but does not adequately preview the structure of the paper.</td>
<td>There is no clear introduction or main topic and the structure of the paper is missing.</td>
<td>10.0%</td>
</tr>
<tr>
<td>Thesis Statement</td>
<td>Clearly and concisely states the paper's purpose in single sentence. Engaging and thought provoking.</td>
<td>Clearly and concisely states the paper's purpose in single sentence. States the paper's purpose in a single sentence.</td>
<td>Each paragraph lacks supporting detail sentences that develop the main idea. Each paragraph fails to develop the main idea.</td>
<td>Incomplete statement or confusing.</td>
<td>5.0%</td>
</tr>
<tr>
<td>Body</td>
<td>Each paragraph has thoughtful supporting detail sentences that develop the main idea. Each paragraph has sufficient supporting detail sentences that develop the main idea.</td>
<td>Each paragraph lacks supporting detail sentences that develop the main idea.</td>
<td>Each paragraph lacks supporting detail sentences that develop the main idea.</td>
<td>Each paragraph fails to develop the main idea.</td>
<td>35.0%</td>
</tr>
<tr>
<td>Organization/Structural Development of Topic</td>
<td>Writer demonstrates logical and subtle sequencing of ideas through well-developed paragraphs; transitions are used to enhance organization.</td>
<td>Paragraph development present but not perfected.</td>
<td>Logical organization; organization of ideas not fully developed.</td>
<td>No evidence of structure or organization.</td>
<td>5.0%</td>
</tr>
<tr>
<td>Depth of discussion</td>
<td>In-depth discussion &amp; elaboration in all sections of the paper.</td>
<td>In-depth discussion &amp; elaboration in most sections of the paper.</td>
<td>Omission of pertinent content or content runs-on excessively. Quotations from others outweigh the writer's own ideas.</td>
<td>Cursory discussion in all the sections of the paper or brief discussion in only a few sections.</td>
<td>10.0%</td>
</tr>
<tr>
<td>Conclusion</td>
<td>The conclusion is engaging and restates the thesis. Relates topic back to 'real world' applications.</td>
<td>The conclusion restates the thesis.</td>
<td>The conclusion does not adequately restate the thesis.</td>
<td>Incomplete statement or confusing.</td>
<td>10.0%</td>
</tr>
<tr>
<td>Spelling/Punctuation</td>
<td>No errors in punctuation, capitalization and spelling.</td>
<td>Almost no errors in punctuation, capitalization and spelling.</td>
<td>Many errors in punctuation, capitalization and spelling.</td>
<td>Numerous and distracting errors in punctuation, capitalization and spelling.</td>
<td>2.5%</td>
</tr>
<tr>
<td>Grammar</td>
<td>No errors sentence structure and word usage.</td>
<td>Almost no errors in sentence structure and word usage.</td>
<td>Many errors in sentence structure and word usage.</td>
<td>Numerous and distracting errors in sentence structure and word usage.</td>
<td>2.5%</td>
</tr>
<tr>
<td>In-text citations</td>
<td>All facts are cited using primary literature or peer sources. Correct format with no errors.</td>
<td>Some facts are cited. Correct format, very few errors.</td>
<td>Few facts are cited. Correct format, few errors.</td>
<td>No in-text citations.</td>
<td>5.0%</td>
</tr>
<tr>
<td>Literature cited</td>
<td>Done in the correct format with no errors. Includes more than 10 major references (e.g. peer reviewed science journal articles, books, and no more than professional two internet sites. No encyclopedic type references).</td>
<td>Done in the correct format with few errors. Includes more than 5 major references (e.g. peer reviewed science journal articles, books, and no more than professional two internet sites. No encyclopedic type references).</td>
<td>Done in the correct format with some errors. Includes more than 3 major references (e.g. peer reviewed science journal articles, books, and no more than professional two internet sites. No encyclopedic type references).</td>
<td>Done in the correct format with many errors. Includes more than 0-3 major references (e.g. peer reviewed science journal articles, books, and no more than professional two internet sites. No encyclopedic type references).</td>
<td>5.0%</td>
</tr>
<tr>
<td>Figures and tables</td>
<td>Tables/figures numbered consecutively in separate series. Title is complete enough to be understood without referring to text. Legend, headings, and units of measure are included. Footnotes used as necessary to provide clarity with respect to units of measure that do not fit in the heading, explanations of abbreviations and symbols, statistical significance of entries.</td>
<td>Tables/figures numbered consecutively in separate series. Title is complete. Legend, headings, and units of measure are included. Footnotes used to provide clarity.</td>
<td>Tables/figures numbered, but not sequentially. Title is incomplete. Legend, headings, and units of measure are not fully included. Footnotes used but do not provide enough clarity.</td>
<td>Tables/figures not numbered. No title. Legend, headings, and units of measure are not included. Footnotes are not used but are needed.</td>
<td>10.0%</td>
</tr>
<tr>
<td>Total</td>
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<td>100.0%</td>
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BIOL 4346 Oral Presentation Due 4/22/20

**Assignment:** Deliver a 10-15 minute oral presentation of your research paper topic. You will be timed and docked points for going under or over than the prescribed time limit. You will have 2 minutes for questions.

**Demonstrate Expertise:**
Speak with authority as you have spent more time than anyone else in the room studying this topic. Immerse yourself in the subject and become the expert. Good preparation will boost your confidence. Anticipate questions from your audience and be prepared to answer them fully.

**Organization/Visual aids:**
**Overall:** Your presentation should be in three parts, introduction, body and conclusion. In the introduction, tell your audience what you are going to tell them. In the body, tell them. In the conclusion, tell them what you already told them.

**Slides:** Keep your slides simple, neat and uncluttered. Make sure the font is large enough to be seen from the back of the room. Use bulleted points to keep yourself on track. Use transitions to maintain a smooth flow among slides and please use animations sparingly; do not use sound or any other fancy transitions as you will only end up distracting and, possibly, annoying your audience (aka. your instructor). Add pictures, graphs, and tables to enhance understanding of the topic but be sure it is readable.

**Transitions:** Be sure that your transitions are smooth; do not abruptly jump from one topic to another. Find a nice segue between topics. Practicing your talk out loud will help you with this.

**Delivery:**
**Voice quality:** Speak in a clear, loud voice so everyone in the room can hear you. Do not speak in monotone, show us your enthusiasm for your chosen topic. Practice, practice, and practice some more!

**Eye Contact:** If you have practiced, you should be able to maintain eye contact with your audience most of the time; this engages the audience and gives you a sense of their level of understanding.

**Dissemination of information:** Do not read from your slides; use them as a guide and a reminder of what you want to talk about. Add context and explanation beyond what is written on the slide. Do not read from notes; you will not be allowed them. You are expected to know your subject without the use of note cards (this is why you have bulleted points on screen). Avoid using “um”, “like”, and “you know”.

**Attire:** Present yourself in a professional manner. This includes proper, professional dress (i.e. shorts and flip flops are not appropriate for delivering a presentation). No hats. NO GUM!

**Stance:** Do not stand in front of your slides, blocking view. Avoid shifting your feet or rolling on your heels. Stand up straight and avoid swinging your arms or other nervous gestures. If you have practiced, you will be confident in your delivery.
### Oral presentation rubric

<table>
<thead>
<tr>
<th>Category</th>
<th>Exceeds expectations</th>
<th>Meets expectations</th>
<th>Below expectations</th>
<th>Does not meet expectations</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Organization and Preparation</strong></td>
<td>Clearly outlines structure of presentation. Maintains clear focus on topic. Effectively includes smooth transitions to connect key points.</td>
<td>Maintains focus on topic. Includes transitions to connect key points. Ends with logical, effective, and relevant conclusion.</td>
<td>Incompletely outlines structure of presentation. Somewhat maintains focus on topic. Includes some transitions to connect key points. Ends with a conclusion based on evidence.</td>
<td>Does not outline structure of presentation. Does not establish or maintain focus on the topic. Uses ineffective transitions that rarely connect points. Ends without a conclusion.</td>
<td>10%</td>
</tr>
<tr>
<td><strong>Quality of Graphics/Slides</strong></td>
<td>Consistent use of formatting: fonts, sizes, color, punctuation... Correct use of grammar. Transition/animation/sound used effectively and smoothly.</td>
<td>Consistent use of formatting: fonts, sizes, color, punctuation... Correct use of grammar. Transition/animation/sound used effectively and smoothly.</td>
<td>Inconsistent use of formatting: fonts, sizes, color, punctuation... Some incorrect use of grammar. Transition/animation/sound not used effectively or smoothly.</td>
<td>Inconsistent use of formatting: fonts, sizes, color, punctuation... Significantly incorrect use of grammar. Transition/animation/sound not used.</td>
<td>10%</td>
</tr>
<tr>
<td><strong>Questions and Answers</strong></td>
<td>Demonstrates extensive knowledge of the topic by responding confidently, precisely, and appropriately to all audience questions and feedback.</td>
<td>Demonstrates knowledge of the topic by responding precisely and appropriately to questions and feedback.</td>
<td>Demonstrates some knowledge of the topic by responding accurately and appropriately to some questions and feedback.</td>
<td>Demonstrates incomplete knowledge of the topic by responding inaccurately and inappropriately to questions and feedback.</td>
<td>10%</td>
</tr>
<tr>
<td><strong>Timing of Presentation</strong></td>
<td>Keeps time within ± 1 minute.</td>
<td>Keeps time within ± 2 minutes.</td>
<td>Keeps time within ± 3-4 minutes.</td>
<td>Keeps time within ± 5 minutes or more.</td>
<td>5%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>100%</td>
</tr>
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</table>

### Grading Criteria Rubric and Conversion

- **A 4.00 (90+)** Achievement that is outstanding relative to the level necessary to meet course requirements.
- **B 3.00 (80-89%)** Achievement that is significantly above the level necessary to meet course requirements.
- **C 2.00 (70–79%)** Achievement that meets the course requirements in every respect.
- **D 1.00 (60–69%)** Achievement that is worthy of credit even though it fails to meet fully course requirements.
- **F 0.00 (<60%)** Represents failure and signifies that the work was either (1) completed but at a level of achievement that is not worthy of credit or (2) was not completed and there was no agreement between the instructor and the student that the student would be awarded an "I" (incomplete).
- **I (Incomplete)** The “I” shall be assigned at the discretion of the instructor when, due to extraordinary circumstances, the student was prevented from completing the work of the course on time. The assignment of an “I” requires a written agreement between the
instructor and student specifying the time and manner in which the student will complete the course requirements. In no event may any such written agreement allow a period of longer than one year to complete the course requirements. For graduate and professional students, an “I” is to remain on the transcript until changed by the instructor or department. For all other students, work to make up an I must be submitted within one year of the last day of final examinations of the term in which the “I” was given; if not submitted by that time, then the “I” will automatically change to an F. 

To obtain an incomplete you must have been doing passing work in the course

Posting of Grades

Grades will be posted in a timely manner, so check Canvas to see your grades.

Grading Policies

Grading Policy and Point Breakdown. Grades in this course will be criteria-based on a number of activities including exams, homework, a term paper and a presentation. This means that grades will not be curved and anyone achieving a 90% or above will receive an A in this course.

Grade Dispute Policy. Grading disputes must be put in writing (with justification such as supporting statements from the text or another credible source) and given to me no earlier than 24 hours after the assignment has been returned. I will consider your request carefully, but reserve the right to adjust your grade up or down.

Assignments. These will consist of the answers to all of the questions from each chapter as well as assigned questions from the chapters. All assignments are to be turned in at the start of class listed on the calendar in this syllabus, and handed directly to the instructor. They should be done completely and in your own words. They must be handwritten and not computer generated. I will not accept e-mailed assignments of any kind. Be prepared to lead the discussion of each question when asked.

Late Assignments. I expect all assignments to be turned in on time. Late assignments interfere with my ability to provide timely, detailed feedback, as well as with your ability to learn and process new material. Accordingly, any unauthorized late assignment will receive a 50% reduction in grade for each day it is late. No assignments will be accepted after it has been graded and returned, or after the exam has been given over the material.

Exams. The exams will be a mixture of multiple choice and short and long answer, designed to provoke reflection, critical thought, and application of knowledge. You will receive a review guide before every exam. You are encouraged to prepare for the exam by reviewing reading materials, outlining a draft of a response, and discussing these thoughts with your peers. You will then demonstrate your individual, integrated thoughts on the topic in a closed-book exam during the class period.

Missed exams. If you know you will miss an exam, please contact me BEFORE the exam. I will gladly give make-up exams if the student has an unavoidable reason for missing the exam (i.e. death in the family, severe illness). Keep in mind that I will expect documentation of your reason for missing the exam (e.g. doctor’s note, obituary notice). Exams must be made up within one week of the original scheduled date, no exceptions
regardless of excuse. You will have to contact the Testing Center to schedule a time as soon as I determine that you will be allowed to take a make up exam.

**What I expect of you.** To get the most out of this class, you are expected to conduct yourself in a professional manner, which includes contributing to class discussions, being punctual, and notifying me of absences in advance. **I do not want to see any cell phones out ever for any reason.**

**Class Attendance.** I expect that you attend each class session and arrive on time. If an unavoidable situation arises that prevents you from attending class, I expect that you also promptly contact me to discuss the missed material and get the notes from a classmate. I will not distribute my notes to students as they are often abbreviated and do not contain the detail needed to sufficiently understand the material. Students will lead the discussion using their homework notes they took from the guide chapter note sheets.

**What you can expect of me.** You can expect me to start and end class on time, be available through office hours, e-mail, and by appointment, be responsive to student suggestions for course improvement, answer questions to the fullest extent possible and/or direct you to appropriate resources, return graded assignments and exams within a reasonable time frame, and treat you with respect as future colleagues.

**Discussion.** The topics in this class encompass a diversity of issues that merit in-depth thought and discussion. Since individuals will be expressing their opinions, I expect that will you respect others’ contributions, as you would want them to do for you. Your participation, your engagement in the class and your contributions to the discussion and review of the topic for that class period will all enable you to get the most out of the course.

**Credits and Workload expectations.** For undergraduate courses, one credit is defined as equivalent to an average of two hours of learning effort per week (over a full semester) necessary for an average student to receive an average grade for the course. A student taking a four-credit class that meets for four hours a week should expect to spend an additional eight hours a week outside the classroom in order to earn an average grade.

**Class Structure.** Classes will involve a balance of active lecture and engaging learning activities. I believe that students learn the theories and concepts much better when they have an active role. I know that this may be new to some of you, but please keep an open mind and I know that you will get more out of this class because of it.

**Term Paper.** This is worth 15% of your grade. Final submission due April 13, 2020.

**Presentation.** This is worth 10% of your grade and is due April 22, 2020. Rubric included in this syllabus.

**NOTE! The following Science policies are now in effect:**

a. Lecture courses

i. Exams

1. There will be no bathroom breaks allowed during any exam. Be sure that you address this issue before beginning an exam.

2. Any student needing to take an exam at a different time as rest of students due to sickness or other accommodations will receive a different version of exam. This includes sickness, special accommodations, etc....

3. All students needing special accommodations must submit an accommodation form from the Office of Access and Inclusion listing
the specific accommodations needed. Students are responsible for scheduling their own exam times with the TAMUCT Testing Center.

4. Any student missing an exam in class for any other reason (i.e. illness, death in family, etc....) must provide documentation for missing the exam (e.g. doctor’s note, obituary notice, etc....). Exams must be made up within one week of original scheduled date, no exceptions.

5. Cell phones, smart watches, backpacks, coats, jackets, sweaters, purses, headphones, air pods and all other personal items must be handed to the teacher to be placed in front of the room, to be picked up by students when they hand in the exam.

6. No jackets or sweaters may be worn without discussing with the instructor, and no jackets, sweaters or other items may be placed over the student’s legs or any other body part while they are taking the test.

COURSE OUTLINE AND CALENDAR
Complete Course Calendar
1/13 Chapter 1 Introduction to Animal Behavior, HW due
1/15 Chapter 2 Integrative Study of Behavior, HW due
1/20 Holiday!
1/22 Chapter 3 Developmental and Genetic Bases of Behavior, HW pages 1-3 due, Topic approval due today!
1/27 Chapter 3 continued, HW pages 4-6 due
1/29 Chapter 4 Neural Basis of Behavior, HW due
2/3 Chapter 5 Physiological Basis of Behavior, HW due, Annotated Outline due today!
2/5 Chapter 5 continued and review for exam
2/10 TEST Chapters 1-5
2/12 Chapter 6 Avoiding Predators and Finding Food, HW due
2/17 Chapter 7 Territoriality and Migration, HW due
2/19 Chapter 8 Principles of Communication, HW pages 1-3 due
2/24 Chapter 8 continued, HW pages 4-6 due
2/26 Chapter 9 Reproductive Behavior, HW pages 1-4 due
3/2 Chapter 9 continued, HW pages 5-8 due, First Submission due today!
3/4 Chapter 10 Mating Systems, HW pages 1-3 due
3/9-3/13 Spring Break
3/16 Chapter 10 continued, HW pages 4-6 due
3/18 TEST Chapters 6-10
3/23 Chapter 11 Parental Care, HW pages 1-4 due
3/25 Chapter 11 continued, HW pages 5-8 due
3/30 Chapter 12 Principles of Social Evolution, HW pages 1-3 due
4/1 Chapter 12 continued, HW pages 4-5 due
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>4/6</td>
<td>Chapter 13 Social Behavior and Sociality, HW pages 1-3 due</td>
</tr>
<tr>
<td>4/8</td>
<td>Chapter 13 continued, HW pages 4-6 due</td>
</tr>
<tr>
<td>4/13</td>
<td>Chapter 14 Human Behavior, HW pages 1-3 due, <strong>Final Term Paper due today!</strong></td>
</tr>
<tr>
<td>4/15</td>
<td>Chapter 14 continued, HW pages 4-6 due</td>
</tr>
<tr>
<td>4/20</td>
<td><strong>TEST Chapters 11-14</strong></td>
</tr>
<tr>
<td>4/22</td>
<td>Presentations due! Students present.</td>
</tr>
<tr>
<td>4/27</td>
<td>Presentations</td>
</tr>
<tr>
<td>4/29</td>
<td>Presentations</td>
</tr>
<tr>
<td>5/4</td>
<td><strong>COMPREHENSIVE FINAL EXAM</strong></td>
</tr>
</tbody>
</table>

**Important University Dates**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 13, 2020</td>
<td>Add, Drop and Late Registration Begins for 16- and First 8-Week Classes $25 Fee assessed for late registrants</td>
</tr>
<tr>
<td>January 13, 2020</td>
<td>Classes Begin for Spring Semester</td>
</tr>
<tr>
<td>January 15, 2020</td>
<td>Deadline for Add, Drop, and Late Registration for 16- and First 8-Week Classes</td>
</tr>
<tr>
<td>January 20, 2020</td>
<td>Martin Luther King, Jr Day (University Closed)</td>
</tr>
<tr>
<td>January 21, 2020</td>
<td>Deadline to Drop First 8-Week Classes with No Record</td>
</tr>
<tr>
<td>January 29, 2020</td>
<td>Deadline to Drop 16-Week Classes with No Record</td>
</tr>
<tr>
<td>February 21, 2020</td>
<td>Deadline to Drop First 8-Week Classes with a Quit (Q) or Withdraw (W)</td>
</tr>
<tr>
<td>March 1, 2020</td>
<td>Deadline for Teacher Education and Professional Certification Applications</td>
</tr>
<tr>
<td>March 6, 2020</td>
<td>Classes end for 1st 8-Weeks</td>
</tr>
<tr>
<td>March 9-12, 2020</td>
<td>Spring Break (No Classes - Administrative Offices Open)</td>
</tr>
<tr>
<td>March 13, 2020</td>
<td>Spring Break (University Closed)</td>
</tr>
<tr>
<td>March 10, 2020</td>
<td>Deadline for Faculty Submission of First 8-Week Final Class Grades (due by 3pm)</td>
</tr>
<tr>
<td>March 15, 2020</td>
<td>Deadline for Clinical Teaching/Practicum Applications</td>
</tr>
<tr>
<td>Date</td>
<td>Event</td>
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<tr>
<td>--------------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>March 16, 2020</td>
<td>Add, Drop, and Late Registration Begins for Second 8-Week Classes</td>
</tr>
<tr>
<td></td>
<td>$25 Fee assessed for late registrants</td>
</tr>
<tr>
<td>March 16, 2020</td>
<td>Classes Begin for Second 8-Week Session</td>
</tr>
<tr>
<td>March 16, 2020</td>
<td>Class Schedule Published for Summer Semester</td>
</tr>
<tr>
<td>March 18, 2020</td>
<td>Deadline for Add, Drop, and Late Registration for Second 8-Week Classes</td>
</tr>
<tr>
<td>March 23, 2020</td>
<td>Deadline to Drop Second 8-Week Classes with No Record</td>
</tr>
<tr>
<td>March 27, 2020</td>
<td>Deadline for Graduation Application for Ceremony Participation</td>
</tr>
<tr>
<td>March 30, 2020</td>
<td>Registration Opens for Seniors, Post-Bacc, and Graduate Students for Summer Semester</td>
</tr>
<tr>
<td>April 3, 2020</td>
<td>Deadline to Drop 16-Week Classes with a Quit (Q) or Withdraw (W)</td>
</tr>
<tr>
<td>April 6, 2020</td>
<td>Registration opens for all students for the Summer and Fall Semesters</td>
</tr>
<tr>
<td>April 24, 2020</td>
<td>Deadline to Drop Second 8-Week Classes with a Quit (Q) or Withdraw (W)</td>
</tr>
<tr>
<td>May 8, 2020</td>
<td>Deadline for Applications for Tuition Rebate for Spring Graduation (5pm)</td>
</tr>
<tr>
<td>May 8, 2020</td>
<td>Deadline for Degree Conferral Applications to the Registrar’s Office. $20 Late Application Fee.</td>
</tr>
<tr>
<td>May 8, 2020</td>
<td>Deadline to Withdraw from the University for 16- and Second 8-Week Classes</td>
</tr>
<tr>
<td>May 8, 2020</td>
<td>Spring Semester Ends</td>
</tr>
</tbody>
</table>

**TECHNOLOGY REQUIREMENTS AND SUPPORT**

**Technology Requirements**
This course will use the A&M-Central Texas Instructure Canvas learning management system. We strongly recommend the latest versions of Chrome or Firefox browsers. Canvas no longer supports any version of Internet Explorer.

Logon to A&M-Central Texas Canvas [https://tamuct.instructure.com/] or access Canvas through the TAMUCT Online link in myCT [https://tamuct.onecampus.com/]. You will log in through our Microsoft portal.
Username: Your MyCT email address. Password: Your MyCT password

Canvas Support
Use the Canvas Help link, located at the bottom of the left-hand menu, for issues with Canvas. You can select “Chat with Canvas Support,” submit a support request through “Report a Problem,” or call the Canvas support line: 1-844-757-0953.
For issues related to course content and requirements, contact your instructor.

Other Technology Support
For log-in problems, students should contact Help Desk Central
24 hours a day, 7 days a week
Email: helpdesk@tamu.edu
Phone: (254) 519-5466
Web Chat: [http://hdc.tamu.edu]

Please let the support technician know you are an A&M-Central Texas student.

UNIVERSITY RESOURCES, PROCEDURES, AND GUIDELINES

Drop Policy
If you discover that you need to drop this class, you must complete a Drop Request Form [https://www.tamuct.edu/registrar/docs/Drop_Request_Form.pdf].

Professors cannot drop students; this is always the responsibility of the student. The Registrar’s Office will provide a deadline on the Academic Calendar for which the form must be completed, signed and returned. Once you return the signed form to the Registrar’s Office, you must go into Warrior Web and confirm that you are no longer enrolled. If you still show as enrolled, FOLLOW-UP with the Registrar’s Office immediately. You are to attend class until the procedure is complete to avoid penalty for absence. Should you miss the drop deadline or fail to follow the procedure, you will receive an F in the course, which may affect your financial aid and/or VA educational benefits.

Academic Integrity
Texas A&M University -Central Texas values the integrity of the academic enterprise and strives for the highest standards of academic conduct. A&M-Central Texas expects its students, faculty, and staff to support the adherence to high standards of personal and scholarly conduct to preserve the honor and integrity of the creative community. Academic integrity is defined as a commitment to honesty, trust, fairness, respect, and responsibility. Any deviation by students from this expectation may result in a failing grade for the assignment and potentially a failing grade for the course. Academic misconduct is any act that improperly affects a true and honest evaluation of a student’s academic performance and includes, but is not limited to, working with others in an unauthorized manner, cheating on an examination or other academic work, plagiarism and improper citation of sources, using another student’s work, collusion, and the abuse of resource materials. All academic misconduct concerns will be referred to the
university’s Office of Student Conduct. Ignorance of the university’s standards and expectations is never an excuse to act with a lack of integrity. When in doubt on collaboration, citation, or any issue, please contact your instructor before taking a course of action.

For more information regarding the Student Conduct process, [https://www.tamuct.edu/student-affairs/student-conduct.html]. If you know of potential honor violations by other students, you may submit a report, [https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout_id=0].

**Academic Accommodations**

At Texas A&M University-Central Texas, we value an inclusive learning environment where every student has an equal chance to succeed and has the right to a barrier-free education. The Office of Access and Inclusion is responsible for ensuring that students with a disability receive equal access to the university’s programs, services and activities. If you believe you have a disability requiring reasonable accommodations please contact the Office of Access and Inclusion, WH-212; or call (254) 501-5836. Any information you provide is private and confidential and will be treated as such.

For more information please visit our Access & Inclusion Canvas page (log-in required) [https://tamuct.instructure.com/courses/717]

**Important information for Pregnant and/or Parenting Students**

Texas A&M University-Central Texas supports students who are pregnant and/or parenting. In accordance with requirements of Title IX and related guidance from US Department of Education’s Office of Civil Rights, the Dean of Student Affairs’ Office can assist students who are pregnant and/or parenting in seeking accommodations related to pregnancy and/or parenting. Students should seek out assistance as early in the pregnancy as possible. For more information, please visit Student Affairs [https://www.tamuct.edu/student-affairs/index.html]. Students may also contact the institution’s Title IX Coordinator. If you would like to read more about these requirements and guidelines online, please visit the website [http://www2.ed.gov/about/offices/list/ocr/docs/pregnancy.pdf].

Title IX of the Education Amendments Act of 1972 prohibits discrimination on the basis of sex and gender—including pregnancy, parenting, and all related conditions. A&M-Central Texas is able to provide flexible and individualized reasonable accommodation to pregnant and parenting students. All pregnant and parenting students should contact the Associate Dean in the Division of Student Affairs at (254) 501-5909 to seek out assistance. Students may also contact the University’s Title IX Coordinator.

**Tutoring**

Tutoring is available to all A&M-Central Texas students, both on-campus and online. Subjects tutored on campus include Accounting, Advanced Math, Biology, Finance, Statistics, Mathematics, and Study Skills. Tutors are available at the Tutoring Center in Warrior
Hall, Suite 111. Tutor.com tutoring will not offer writing support beginning August 1, 2019, but will continue to offer other tutoring support.

If you have a question regarding tutor schedules, need to schedule a tutoring session, are interested in becoming a tutor, or have any other question, contact Academic Support Programs at (254) 501-5836, visit the Office of Student Success at 212F Warrior Hall, or by emailing studentsuccess@tamuct.edu.

Chat live with a tutor 24/7 for almost any subject from on your computer! Tutor.com is an online tutoring platform that enables A&M-Central Texas students to log in and receive online tutoring support at no additional cost. This tool provides tutoring in over 40 subject areas. Access Tutor.com through Canvas.

University Writing Center
Located in Warrior Hall 416, the University Writing Center (UWC) at Texas A&M University–Central Texas (TAMUCT) is a free workspace open to all TAMUCT students from 10:00 a.m.-5:00 p.m. Monday thru Thursday with satellite hours in the University Library Monday thru Thursday from 6:00-9:00 p.m. This semester, the UWC is also offering online only hours from 12:00-3:00 p.m. on Saturdays.

Tutors are prepared to help writers of all levels and abilities at any stage of the writing process. While tutors will not write, edit, or grade papers, they will assist students in developing more effective composing practices. By providing a practice audience for students’ ideas and writing, our tutors highlight the ways in which they read and interpret students’ texts, offering guidance and support throughout the various stages of the writing process. In addition, students may work independently in the UWC by checking out a laptop that runs the Microsoft Office suite and connects to WIFI, or by consulting our resources on writing, including all of the relevant style guides. Whether you need help brainstorming ideas, organizing an essay, proofreading, understanding proper citation practices, or just want a quiet place to work, the UWC is here to help!

Students may arrange a one-to-one session with a trained and experienced writing tutor by visiting the UWC during normal operating hours (both half-hour and hour sessions are available) or by making an appointment via WCONline [https://tamuct.mywconline.com/]. In addition, you can email Dr. Bruce Bowles Jr. at bruce.bowles@tamuct.edu if you have any questions about the UWC and/or need any assistance with scheduling.

University Library
The University Library provides many services in support of research across campus and at a distance. We offer over 200 electronic databases containing approximately 250,000 eBooks and 82,000 journals, in addition to the 85,000 items in our print collection, which can be mailed to students who live more than 50 miles from campus. Research guides for each subject taught at A&M-Central Texas are available through our website to help students navigate these
resources. On campus, the library offers technology including cameras, laptops, microphones, webcams, and digital sound recorders.

Research assistance from a librarian is also available 24 hours a day through our online chat service, and at the reference desk when the library is open. Research sessions can be scheduled for more comprehensive assistance, and may take place on Skype or in-person at the library. Assistance may cover many topics, including how to find articles in peer-reviewed journals, how to cite resources, and how to piece together research for written assignments.

Our 27,000-square-foot facility on the A&M-Central Texas main campus includes student lounges, private study rooms, group work spaces, computer labs, family areas suitable for all ages, and many other features. Services such as interlibrary loan, TexShare, binding, and laminating are available. The library frequently offers workshops, tours, readings, and other events. For more information, please visit our Library website [http://tamuct.libguides.com/index].

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**OPTIONAL POLICY STATEMENTS**

**A Note about Sexual Violence at A&M-Central Texas**

Sexual violence is a serious safety, social justice, and public health issue. The university offers support for anyone struggling with these issues. University faculty are mandated reporters, so if someone discloses that they were sexually assaulted (or a victim of Domestic/Dating Violence or Stalking) while a student at TAMUCT, faculty members are required to inform the Title IX Office. If you want to discuss any of these issues confidentially, you can do so through Student Counseling (254-501-5955) located on the second floor of Warrior Hall (207L).

Sexual violence can occur on our campus because predators often feel emboldened, and victims often feel silenced or shamed. It is incumbent on ALL of us to find ways to actively create environments that tell predators we don’t agree with their behaviors and tell survivors we will support them. Your actions matter. Don’t be a bystander; be an agent of change. For additional information on campus policy and resources visit the Title IX webpage [https://www.tamuct.edu/departments/compliance/titleix.php].

**Behavioral Intervention**

Texas A&M University-Central Texas cares about the safety, health, and well-being of its students, faculty, staff, and community. If you are aware of individuals for whom you have a concern, who are exhibiting concerning behaviors, or individuals causing a significant disruption to our community, please make a referral to the Behavioral Intervention Team. Referring your concern shows you care. You can complete the referral online [https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout_id=2].

Anonymous referrals are accepted. Please see the Behavioral Intervention Team website for more information [https://www.tamuct.edu/student-affairs/bat.html]. If a person’s behavior
poses an imminent threat to you or another, contact 911 or A&M-Central Texas University Police at 254-501-5800.

OTHER POLICIES

Copyright Notice
Students should assume that all course material is copyrighted by the respective author(s). Reproduction of course material is prohibited without consent by the author and/or course instructor. Violation of copyright is against the law and Texas A&M University-Central Texas’ Code of Academic Honesty. All alleged violations will be reported to the Office of Student Conduct.

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