

EAB 3764: APPLIED BEHAVIOR ANALYSIS  
UNIVERSITY OF FLORIDA, Summer B 2024  
CLASS NUMBER: 16440  
SECTION NUMBER: 4E63  
LOCATION: Psychology Building 0151  
M,T,W,R,F 2:00PM-3:15-pm

Instructor: Lindsey Ives

Office: Room 094, Psychology Building

Office Hours: Tuesday 3:30-4:30 PM; Thursday 3:30-4:30 PM

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### **Course Description**

Applied Behavior Analysis (ABA) is the practical arm of Behavior Analysis, a natural science of behavior that rests on the philosophy of science known as Radical Behaviorism. ABA adopts concepts and principles from this science toward achieving meaningful change in socially significant behavior. Topics to be covered include Basic principles of learning, ABA research methods and techniques, and applications of ABA across a wide range of populations, settings, and behaviors.

### **Course Objectives**

By the end of this course, students will:

- Have a fundamental grasp of the history of behaviorism and how it differs from other approaches to understanding human behavior.
- Demonstrate a fundamental understanding of the basic principles involved in promoting behavior change from a behavioral analytic perspective.
- Demonstrate a fundamental understanding of the methodology commonly used in behavior analysis to evaluate behavior change and how it differs from more conventional methods in psychology.
- Understand how behavior analytic principles and procedures can promote beneficial behavior change across a variety of socially meaningful contexts.

### **Social and Behavioral Sciences General Education Subject Area Objectives**

Social and behavioral science courses provide instruction in the history, key themes, principles, terminology, and underlying theory or methodologies used in the social and behavioral sciences. Students will learn to identify, describe and explain social institutions, structures or processes. These courses emphasize the effective application of accepted problem-solving techniques. Students will apply formal and informal qualitative or quantitative analysis to examine the processes and means by which individuals make personal and group decisions, as well as the evaluation of opinions, outcomes or human behavior. Students are expected to assess and analyze ethical perspectives in individual and societal decisions. These objectives will be accomplished through exams and assignments.

### **General Education Student Learning Outcomes**

<b>Category</b>	<b>Institutional Definition</b>	<b>Institutional SLO</b>
Content	Content is knowledge of the concepts, principles, terminology and methodologies used within the discipline.	Students demonstrate competence in the terminology, concepts, methodologies and theories used within the discipline. This is accomplished through exams and other assignments.
Communication	Communication is the development and expression of ideas in written and oral forms.	Students communicate knowledge, ideas, and reasoning clearly and effectively in written or oral forms appropriate to the discipline. This is accomplished through group discussion and student oral responses to questions embedded within each class session.
Critical Thinking	Critical thinking is characterized by the comprehensive analysis of issues, ideas, and evidence before accepting or formulating an opinion or conclusion.	Students analyze information carefully and logically from multiple perspectives, using discipline specific methods, and develop reasoned solutions to problems. This is accomplished through assessment items that require students to explain difficulties with published research outcomes and describe effective practical implementation of concepts, principles, and procedures of the discipline.

### **Course Material**

## Text and Readings:

- Miltenberger, R.G. (2023). *Behavior Modification: Principles and Procedures*. (7th ed.). Cengage Learning
- Additional required readings, available in Canvas

We will be covering the entire textbook, but not in order. The additional readings are research articles that exemplify the processes, principles, and procedures covered in each unit or, at the end of the semester, introduce new topics not directly addressed in the text.

This syllabus is subject to change. Periodically, I may come across a paper that I believe to be important to add or substitute for one of the currently listed readings. If this happens, I will alert you far in advance. You are responsible for finding out whether the syllabus has been modified. Changes will be announced in class and an updated syllabus will be posted on Canvas.

## Course Format

The class will involve a lecture plus discussion/Q&A format. Lectures will cover critical points of the readings and supplemental information regarding each topic. I expect you to read the assignments carefully and on time. Students should come prepared to answer questions about the readings and offer their own questions/observations about the material to the group.

## Quizzes and Exams

**Quizzes:** A quiz will be given **each class** (except for exam dates) on the assigned readings beginning on **July 1**. The quizzes are based on either a) material covered in the assigned reading that day or b) material covered in class. Quizzes will be 1 question (5 pts). Quiz formats will vary. Some will be multiple choice or true/false; others will require a written single word, phrase, or sentence. All quizzes will be available to take in Canvas, **but you must be in class to take the quiz**. We will post the quiz at the end of each class and the quiz will remain available for 5 minutes.

**Exams:** There will be 7 non-cumulative exams (one dropped). See the class schedule below for exam dates. Questions will consist of short-answer, true/false, matching items, or multiple-choice questions, and will be drawn from material covered in the text, readings, and lectures. Each exam will be worth 30 points. You will receive a **study guide** in advance of each exam. The study guides reflect what I hope you will learn, at minimum, during the semester. If you consistently master the study guide objectives, you will do well on the exams. Exams will be administered via Canvas at the start of the scheduled class time, **but you must come to class to take the exam, even though it will be taken on Canvas**. Any exam taken outside of the classroom will result in a zero. Once you launch the exam, you will have the entire class period to complete it. If you prefer or require a paper-and-pencil exam, I can provide one for you. If you opt to take this option, you must notify me at least 48 hours prior.

**Both exams and quizzes are closed note. Collusion or use of any unauthorized materials will not be tolerated.**

### Class Attendance and Make-up Policy

Class attendance is expected. Missed quizzes or tests can be made up only if: 1) you missed class because of a university-sanctioned event; or 2) you missed class because of an emergency, illness, or other unavoidable event. **In either case, documentation is required.** In addition, there are two opportunities for students to recover points lost due to missed quizzes/tests or poor scores:

- A total of 21 quizzes will be offered throughout this course. However, only 18 are calculated into your final grade. The 3 lowest quiz grades will be dropped.
- 7 exams will be offered throughout this course. However, only 6 of those will be calculated into your final grade. If you choose to take all 7, your lowest exam grade will be dropped. Conversely, you can opt to skip one exam without penalty.

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies. Click here to read the university attendance policies: <https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/>

### Experimental Participation Requirement

The Psychology Department requires that all students enrolled in a 3000-level psychology course either 1) serve as a participant in 7.5 hours of ongoing psychological research or 2) complete an effort-equivalent research assignment. The deadline for this requirement is posted on the research requirement document found in Canvas. Completion of this requirement affects your course grade based on the number of research credits you earn. Do NOT wait until the last minute to complete this requirement. The longer you wait the harder it will be to get all the credits needed!

### Grading

Exams & Quizzes	Points	Grade	Percentage
Exams	180	A	93-100%
6 x 30pt (lowest exam dropped)		A-	90-92.9%
		B+	87-89.9%
		B	83-86.9%

18 x 5 pt quizzes (lowest 3 quizzes dropped)	90	B-	80-82.9%
		C+	77-79.9%
		C	73-76.9%
SONA Research	10	C-	70-72.9%
		D	60-69.9%
		E	<60%
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Total grade for calculation	280		
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Information on current UF grading policies for assigning grade points can be viewed here:

<https://catalog.ufl.edu/UGRD/academic-regulations/grades-grading-policies/>

Please note that "A minimum grade of C is required for general education credit.

### Topics and Reading Assignments

Day	Date	Topic	Reading Assignment	Evaluation & Other Info
<b>Week 1</b>				
<b>T</b>	<b>July 1</b>	<b>Introduction to BA</b>	<b>Miltenberger 1; Baer et al., 1968</b>	<b>Quiz 1</b>
<b>W</b>	<b>July 2</b>	<b>Observing and Recording Behavior</b>	<b>Miltenberger 2</b>	<b>Quiz 2</b>

<b>R</b>	<b>July 3</b>	<b>Graphing and Measuring Change</b>	<b>Miltenberger 3</b>	<b>Quiz 3</b>
<b>F</b>	<b>July 4</b>	<b>No Class</b>	<b>N/A</b>	<b>N/A</b>
<b>Week 2</b>				
<b>M</b>	<b>July 7</b>	<b>Exam 1</b>		
<b>T</b>	<b>July 8</b>	<b>Reinforcement &amp; Extinction</b>	<b>Miltenberger 4 &amp; 5</b>	<b>Quiz 4</b>
<b>W</b>	<b>July 9</b>	<b>Punishment</b>	<b>Miltenberger 6</b>	<b>Quiz 5</b>
<b>R</b>	<b>July 10</b>	<b>Respondent Conditioning</b>	<b>Miltenberger 8</b>	<b>Quiz 6</b>
<b>F</b>	<b>July 11</b>	<b>Exam 2</b>		
<b>Week 3</b>				
<b>M</b>	<b>July 14</b>	<b>Stimulus Control</b>	<b>Miltenberger 7</b>	<b>Quiz 7</b>
<b>T</b>	<b>July 15</b>	<b>Shaping &amp; Chaining</b>	<b>Miltenberger 9 &amp; 11</b>	<b>Quiz 8</b>
<b>W</b>	<b>July 16</b>	<b>Prompting &amp; Transfer of Stimulus Control</b>	<b>Miltenberger 10</b>	<b>Quiz 9</b>
<b>R</b>	<b>July 17</b>	<b>Exam 3</b>		
<b>F</b>	<b>July 18</b>	<b>Functional Assessment of Problem Behavior</b>	<b>Miltenberger 13</b>	<b>Quiz 10</b>
<b>Week 4</b>				
<b>M</b>	<b>July 21</b>	<b>Applying Extinction</b>	<b>Miltenberger 14</b>	<b>Quiz 11</b>
<b>T</b>	<b>July 22</b>	<b>Differential Reinforcement</b>	<b>Miltenberger 15</b>	<b>Quiz 12</b>
<b>W</b>	<b>July 23</b>	<b>Exam 4</b>		
<b>R</b>	<b>July 24</b>	<b>Antecedent Interventions</b>	<b>Miltenberger 16</b>	<b>Quiz 13</b>

<b>F</b>	<b>July 25</b>	<b>Positive &amp; Negative Punishment; Ethics of Punishment</b>	<b>Miltenberger 17 &amp; 18</b>	<b>Quiz 14</b>
<b>Week 5</b>				
<b>M</b>	<b>July 28</b>	<b>Group Contingencies &amp; Behavior Skills Training</b>	<b>Miltenberger 12 &amp; Article TBD</b>	<b>Quiz 15</b>
<b>T</b>	<b>July 29</b>	<b>Exam 5</b>		
<b>W</b>	<b>July 30</b>	<b>Self-Management &amp; Behavioral Contracting</b>	<b>Miltenberger 20 &amp; 23</b>	<b>Quiz 16</b>
<b>R</b>	<b>July 31</b>	<b>Habit Reversal</b>	<b>Miltenberger 21</b>	<b>Quiz 17</b>
<b>F</b>	<b>Aug 1</b>	<b>Token Economies &amp; Promoting Generalization</b>	<b>Miltenberger 22 &amp; 19</b>	<b>Quiz 18</b>
<b>Week 6</b>				
<b>M</b>	<b>Aug 4</b>	<b>Exam 6</b>		
<b>T</b>	<b>Aug 5</b>	<b>Cognitive Behavior Therapy</b>	<b>Miltenberger 25</b>	<b>Quiz 19</b>
<b>W</b>	<b>Aug 6</b>	<b>Substance Use Disorders</b>	<b>Dallery, Meredith, Budney ch.4</b>	<b>Quiz 20</b>
<b>R</b>	<b>Aug 7</b>	<b>Fear and Anxiety Reduction</b>	<b>Miltenberger 24</b>  <b>Ricciardi, Luiselli &amp; Camare 2013</b>	<b>Quiz 21</b>
<b>F</b>	<b>Aug 8</b>	<b>Exam 7</b>		
<b>End of Semester</b>				

**Note: Schedule deviations may occur. If so, these will be announced in class and/or posted on the course website.**

**University Policy on Accommodating Students with Disabilities.** Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the disability Resource Center. Click here: <https://disability.ufl.edu/get-started/> to get started with the Disability Resource Center. It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester.

**University Honesty Policy.** UF students are bound by The Honor Pledge which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.” The Conduct Code specifies a number of behaviors that are in violation of this code and the possible sanctions. Click here <https://sccr.dso.ufl.edu/process/student-conduct-code/> to read the Conduct Code. If you have any questions or concerns, please consult with the instructor or TAs in this class.

**University Policy on Course Evaluation.** Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

**Sexual Harassment.** Sexual Harassment is not tolerated in this class, in the Department of Psychology, or at the University of Florida. Sexual harassment includes: the inappropriate introduction of sexual activities or comments in a situation where sex would otherwise be irrelevant. Sexual harassment is a form of sex discrimination and a violation of state and federal laws as well as of the policies and regulations of the university. All UF employees and students must adhere to UF’s sexual harassment policy which can be found here:

<https://hr.ufl.edu/forms-policies/policies-managers/sexual-harassment/>.

Please review this policy and contact a university official if you have any questions about the policy. As mandatory reporters, university employees (e.g., administrators, managers, supervisors, faculty, teaching assistants, staff) are required to report knowledge of sexual



harassment to UF's Title IX coordinator. For more information about UF's Title IX office see: <https://titleix.ufl.edu/>. You can also complete a Sexual Harassment Report online (Title IX) at: <https://titleix.ufl.edu/title-ix-reporting-form/>.

## Campus Resources

### Health and Wellness

- U Matter, We Care: If you or someone you know is in distress, please contact [umatter@ufl.edu](mailto:umatter@ufl.edu), 352-392-1575, or visit U Matter, We Care website (<https://umatter.ufl.edu/>) to refer or report a concern and a team member will reach out to the student in distress.
- Counseling and Wellness Center: Visit the Counseling and Wellness Center website (<https://counseling.ufl.edu/>) or call 352-392-1575 for information on crisis services as well as non-crisis services.
- Student Health Care Center: Call 352-392-1161 for 24/7 information to help you find the care you need, or visit the Student Health Care Center website (<https://shcc.ufl.edu/>).
- University Police Department: Visit UF Police Department website (<https://police.ufl.edu/>) or call 352-392-1111 (or 9-1-1 for emergencies).
- UF Health Shands Emergency Room / Trauma Center: For immediate medical care call 352-733-0111 or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32608; Visit the UF Health Emergency Room and Trauma Center website (<https://ufhealth.org/emergency-room-trauma-center>)
- GatorWell Health Promotion Services: For prevention services focused on optimal wellbeing, including Wellness Coaching for Academic Success, visit the GatorWell website (<https://gatorwell.ufsa.ufl.edu/>) or call 352-273-4450.

### Academic Resources

- E-learning technical support: Contact the UF Computing Help Desk (<https://helpdesk.ufl.edu/>) at 352-392-4357 or via e-mail at [helpdesk@ufl.edu](mailto:helpdesk@ufl.edu).
- Career Connections Center (<https://career.ufl.edu/>): Reitz Union Suite 1300, 352-392-1601. Career assistance and counseling services.
- Library Support (<https://uflib.ufl.edu/>): Various ways to receive assistance with respect to using the libraries or finding resources.
- Teaching Center (<https://academicresources.clas.ufl.edu/>): Broward Hall, 352-392-2010 or to make an appointment 352-392-6420. General study skills and tutoring.
- Writing Studio (<https://writing.ufl.edu/writing-studio/>): 2215 Turlington Hall, 352-846-1138. Help brainstorming, formatting, and writing papers.

- Student Complaints On-Campus: Visit the Student Honor Code and Student Conduct Code webpage (<https://sccr.dso.ufl.edu/policies/student-honor-%20code-student-conduct-code/>) for more information.
- On-Line Students Complaints: View the Distance Learning Student Complaint Process (<https://distance.ufl.edu/state-authorization-status/#student-complaint>).