



**College of Education and Human Development  
Division of Special Education and disAbility Research**

Fall 2014

EDSE 619 ML1: Applied Behavior Analysis: Principles, Procedures, and  
Philosophy

CRN: 77437, 3 - Credits

<b>Instructor:</b> Dr. Theodore Hoch	<b>Meeting Dates:</b> 8/25/2014 - 12/15/2014
<b>Phone:</b> 703-993-5245 / 703-987-8928	<b>Meeting Day(s):</b> Tuesdays (9/2, 9/9, 11/11, 11/25, & 12/2 Only)
<b>E-Mail:</b> thoch@gmu.edu	<b>Meeting Time(s):</b> 4:30pm – 5:20pm on those dates listed above, through Blackboard Collaborate; multiple times weekly interactions through Blackboard beginning 25 August 2014
<b>Office Hours:</b> Tuesday and Thursday from 12:30 – 2:30, US Eastern time, in office, or by phone or Blackboard Collaborate	<b>Meeting Location:</b> Mason Online, NET NET

**Note:** This syllabus may change according to class needs. Students will be advised of any changes immediately through George Mason e-mail and/or through Blackboard.

**Course Description**

Focuses on basic principles and procedures of applied behavior analysis; identification of factors that contribute to behavioral problems and improved performance; and procedures that can be used to minimize behavioral problems, improve performance, teach new behaviors, and increase probability of behaviors occurring under appropriate circumstances. Prerequisite(s): Admission to applied behavior analysis graduate certificate program. Hours of Lecture or Seminar per week: 3 Hours of Lab or Studio per week: 0

**Prerequisite(s):** Admission to applied behavior analysis graduate certificate program

**Co-requisite(s):** None

**Advising Contact Information**

Please make sure that you are being advised on a regular basis as to your status and progress through your program. Mason M.Ed. and Certificate students should contact the Special Education Advising Office at (703) 993-3670 for assistance. All other students should refer to their faculty advisor.

### **DELIVERY METHOD:**

This course will be delivered online using both asynchronous and synchronous formats via the Blackboard learning management system (LMS) housed in the MyMason portal. You will log in to the Blackboard course site using your Mason email name (everything before “@masonlive.gmu.edu) and email password. The course site will be available on 25 August 2014.

### **TECHNICAL REQUIREMENTS:**

To participate in this course, students will need the following resources:

- High-speed Internet access with a standard up-to-date browser, either Internet Explorer or Mozilla Firefox. Opera and Safari are not compatible with Blackboard;
- Consistent and reliable access to their GMU email and Blackboard, as these are the official methods of communication for this course
- Students may be asked to create logins and passwords on supplemental websites and/or to download trial software to their computer or tablet as part of the course requirements.
- The following software plug-ins for Pcs and Macs respectively, available for free downloading by clicking on the link next to each plug-in:
  - Adobe Acrobat Reader: <http://get.adobe.com/reader/>
  - Windows Media Player: <http://windows.microsoft.com/en-US/windows/downloads/windows-media-player>
  - Apple QuickTime Player: [www.apple.com/quicktime/download/](http://www.apple.com/quicktime/download/)
- A headset microphone for use with the Blackboard Collaborate web conferencing tool

### **EXPECTATIONS:**

- **Course Week:** Refer to the asynchronous bullet below if your course is asynchronous or the synchronous bullet if your course is synchronous.
  - **Asynchronous:** Because online courses do not have a “fixed” meeting day, our week will **start** on Monday and **finish** on Sunday.
  - **Synchronous:** Our course week will begin on the day that our synchronous meeting take place as indicated on the Schedule of Classes.
- **Log-in Frequency:** Refer to the asynchronous bullet below if your course is asynchronous or the synchronous bullet if your course is synchronous.
  - **Asynchronous:** Students must actively check the course Blackboard site and their GMU email for communications from the instructor, at a minimum this should be 2 times per week.

- **Synchronous:** Students must log-in for all scheduled online synchronous meetings. In addition, students must actively check the course Blackboard site and their GMU email for communications from the instructor, at a minimum this should be 2 times per week.
- **Participation:** Students are expected to actively engage in all course activities throughout the semester, which include viewing of all course materials, completing course activities and assignments, and participating in course discussions and group interactions.
- **Technical Competence:** Students are expected to demonstrate competence in the use of all course technology. Students are expected to seek assistance if they are struggling with technical components of the course. Contact ITU (<http://itservices.gmu.edu/help.cfm>) at (703) 993-8870 or [support@gmu.edu](mailto:support@gmu.edu).
- **Technical Issues:** Students should expect that they could experience some technical difficulties at some point in the semester and should, therefore, budget their time accordingly. Late work will not be accepted based on individual technical issues.
- **Workload:** Expect to log in to this course **at least three times a week** to read announcements, participate in the discussions, and work on course materials. Remember, this course is **not** self-paced. There are **specific deadlines** and **due dates** listed in the **CLASS SCHEDULE** section of this syllabus to which you are expected to adhere. It is the student's responsibility to keep track of the weekly course schedule of topics, readings, activities and assignments due.

**Netiquette:** Our goal is to be **collaborative**, not combative. Experience shows that even an innocent remark in the online environment can be misconstrued. I suggest that you always re-read your responses carefully before you post them to encourage others from taking them as personal attacks. **Be positive in your approach to others and diplomatic with your words.** I will do the same. Remember, you are not competing with each other but sharing information and learning from one another as well as from the instructor.

### **Nature of Course Delivery**

Learning activities include the following:

1. Recorded lectures with embedded quizzes
2. Synchronous discussions and presentations through Blackboard Collaborate
3. Asynchronous discussions through Blackboard Discussion Board
4. Application activities
5. Video and other media supports
6. Research and presentation activities
7. Electronic supplements and activities via Blackboard

## **Learner Outcomes**

Upon completion of this course, students will:

- Describe educational, experiential, degree, and examination requirements for Behavior Analyst Certification.
- Define, describe, and identify basic philosophical assumptions of applied behavior analysis.
- Define, describe, and identify basic characteristics of applied behavior analysis.
- Define, describe, and identify respondent behavior and respondent conditioning.
- Define, describe, and identify operant behavior and operant conditioning.
- Define, describe, and exemplify operant and respondent principles.
- Define, describe, and exemplify operant and respondent procedures.
- Describe, identify, and exemplify behavior analytic teaching procedures.
- Describe and identify factors affecting behavioral variables.

## **Required Textbooks**

Cooper, J.O., Heron, T.E., & Heward, W.L. (2007). Applied behavior analysis (2nd Ed.). Upper Saddle River, New Jersey: Pearson Prentice Hall.

Skinner, B.F. (1974). About behaviorism. New York, NY: Knopf.

## **Digital Library Option**

The Pearson textbook(s) for this course **may be** available as part of the **George Mason University Division of Special Education and disAbility Research Digital Library**. Please note that not all textbooks are available through this option. Visit the links below before purchasing the digital library to ensure that your course(s) text(s) are available in this format. The division and Pearson have partnered to bring you the Digital Library; a convenient, digital solution that can save you money on your course materials. The Digital Library offers you access to a complete digital library of **all Pearson textbooks** and MyEducationLabs used across the Division of Special Education and disAbility Research curriculum at a low 1-year or 3-year subscription price. Access codes are available in the school bookstore. Please visit <http://gmu.bncollege.com> and search the ISBN. To register your access code or purchase the Digital Library, visit:

<http://www.pearsoncustom.com/va/gmu/digitallibrary/education/index.html>

- 1 year subscription \$200 ISBN-13: 9781269541411
- 3 years subscription \$525 ISBN-13: 9781269541381
- Individual e-book(s) also available at the bookstore link above or at <http://www.pearsoncustom.com/va/gmu/digitallibrary/education/index.html>

## **Recommended Textbooks**

None. However, if you wish to complete the extra optional, extra credit portion of the course, you will need to purchase a subscription to the BCBA Examination Study software, available through Behavior Development Solutions at <http://www.behaviordevelopmentsolutions.com/>.

### **Required Resources**

You will need to go to the Behavior Analyst Certification Board website ([www.bacb.com](http://www.bacb.com)), and download the Task List, the Guidelines for Responsible Conduct, and the Disciplinary Standards. We will refer to these documents throughout this course and all others in this Program.

### **Additional Readings**

None.

### **Course Relationships to Program Goals and Professional Organizations**

This course is part of the George Mason University, Graduate School of Education (GSE), Special Education Program for Applied Behavior Analysis Graduate Certificate. This program complies with the standards for teacher licensure established by the Council for Exceptional Children (CEC), the major special education professional organization. The CEC Standards are listed on the following website:

<http://www.cec.sped.org/Content/NavigationMenu/ProfessionalDevelopment/ProfessionalStandards/>. The content of the courses in this program is derived from the Task List published by the national Behavior Analyst Certification Board (BACB) as well as the Board's Guidelines for Responsible Conduct. The BACB Standards are listed on the following website: For more information on the Board and the examination, please visit the Board's website at [www.bacb.com](http://www.bacb.com). The CEC standard that will be addressed in this class is Standard 5: Instructional Planning and Strategies. (Updated Fall 2014 to align with the revised CEC Standards)

### **GMU POLICIES AND RESOURCES FOR STUDENTS:**

- a. Students must adhere to the guidelines of the George Mason University Honor Code [See <http://oai.gmu.edu/the-mason-honor-code/>].
- b. Students must follow the university policy for Responsible Use of Computing [See <http://universitypolicy.gmu.edu/policies/responsible-use-of-computing/>].
- c. Students are responsible for the content of university communications sent to their George Mason University email account and are required to activate their account and check it regularly. All communication from the university, college, school, and program will be sent to students solely through their Mason email account.

- d. The George Mason University Counseling and Psychological Services (CAPS) staff consists of professional counseling and clinical psychologists, social workers, and counselors who offer a wide range of services (e.g., individual and group counseling, workshops and outreach programs) to enhance students' personal experience and academic performance [See <http://caps.gmu.edu/>].
- e. Students with disabilities who seek accommodations in a course must be registered with the George Mason University Office of Disability Services (ODS) and inform their instructor, in writing, at the beginning of the semester [See <http://ods.gmu.edu/>].
- f. Students must follow the university policy stating that all sound emitting devices shall be turned off during class unless otherwise authorized by the instructor.
- g. The George Mason University Writing Center staff provides a variety of resources and services (e.g., tutoring, workshops, writing guides, handbooks) intended to support students as they work to construct and share knowledge through writing [See <http://writingcenter.gmu.edu/>].

## **PROFESSIONAL DISPOSITIONS**

Students are expected to exhibit professional behaviors and dispositions at all times.

## **CORE VALUES COMMITMENT**

The College of Education & Human Development is committed to collaboration, ethical leadership, innovation, research-based practice, and social justice. Students are expected to adhere to these principles. [See <http://cehd.gmu.edu/values/>]

For additional information on the College of Education and Human Development, Graduate School of Education, please visit our website [See <http://gse.gmu.edu/>]

### **Course Policies & Expectations**

#### **Attendance.**

Students are expected to begin work on the course during the week of 25 August 2014. Students are expected to be present for the duration of every synchronous discussion, and to participate in every synchronous discussion. Students may not reschedule missed Synchronous Discussions or Research Profile presentations.

#### **Late Work.**

Given possibility of computer or internet difficulties some students may experience, students must identify alternative availability of computers and internet access (e.g., public libraries, their employer (if permitted), internet cafes, etc.) in the first week of this course to ensure that they will be able to complete their assignments in a timely manner.

**All work must be completed within two weeks of first becoming available.**

Discussion Board items and Lesson Tests are available for only two weeks (from 12:00 am on the first Monday of availability to 11:59 pm of the last Monday of availability), although lesson recordings and their embedded quizzes will remain available for the duration of the course once they become available. No work may be submitted after 12/15/14 at 11:59 pm, US Eastern Time.

Final Exam is available only between 12:00 am on 12/3/14 and 11:59 pm on 12/15/14, both US Eastern Time. You will not have access to the exam before or after those times.

### **TaskStream Submission**

Every student registered for any Special Education course with a required performance-based assessment is required to submit this assessment, *Final Exam Feedback* to TaskStream (regardless of whether a course is an elective, a onetime course or part of an undergraduate minor). Evaluation of the performance-based assessment by the course instructor will also be completed in TaskStream. Failure to submit the assessment to TaskStream will result in the course instructor reporting the course grade as Incomplete(IN). Unless the IN grade is changed upon completion of the required TaskStream submission, the IN will convert to an F nine weeks into the following semester.

If you have never used TaskStream before, you **MUST** use the login and password information that has been created for you. This information is distributed to students through GMU email, so it is very important that you set up your GMU email. For more TaskStream information, go to <http://cehd.gmu.edu/api/taskstream>.

### **Grading Scale**

The distribution of total possible points per assignment type, and grading scale, are as follows:

Assignment Type	Points Possible	#Assignments	Total Points	Cumulative
Discussion Boards	2 points per DB	24 DBs	48 points	48 points
Embedded Quizzes	1 point per question	257 questions	257 points	305 points
Lesson Tests	10 - 15 points / test	11 Tests	160 points	465 points
Handen & Zane assignment	10 points	1 assignment	10 points	475 points
AIM Prompting Module	10 points	1 assignment	10 points	485 points
Synchronous Discussions	5 points per discussion	5 discussions	25 points	510 points
Research Profile Paper	20 points per paper	1 paper	20 points	530 points
Research Profile Presentation	5 points per presentation	1 presentation	5 points	525 points
Final Exam	100 points	1 Exam	100 points	625 points

A = 594-625 points   A- = 563-593 points   B = 500-562 points   C = 438-499 points  
F < 438 points

**Assignments**

**Performance-based Assessment (TaskStream submission required).**

The Final Examination is the Taskstream Assignment for this course. You will take a 50 multiple choice item final exam online. You will have only one opportunity to complete this exam. You will earn 2 points toward your final grade for each correct response. You will also take this examination during the first week of class as a pretest. You'll receive feedback on your pretest performance during the second or third class session, including a breakdown of percentage correct by content area. After completing the Final Exam, you'll receive a feedback form by e-mail which you will then submit to Taskstream. Once the feedback form's been submitted, it will be rated according to the following rubric with regard to the extent to which you've mastered the material as it pertains to the following sections from the BACB Task List:

	Does Not Meet Expectations 1	Meets Expectations 2	Exceeds Expectations 3
--	---------------------------------	-------------------------	---------------------------

<p style="text-align: center;">Specific Behavior Change Procedures</p>	<p>Candidate demonstrates further learning needed by answering fewer than 80% of items correctly pertaining to:</p> <ul style="list-style-type: none"> <li>▪ Use interventions based on manipulation of antecedents, such as motivating operations and discriminative stimuli.</li> <li>▪ Use discrimination training procedures.</li> <li>▪ Use instructions and rules.</li> <li>▪ Use contingency contracting (i.e., behavioral contracting).</li> <li>▪ Use independent, interdependent, and dependent group contingencies.</li> <li>▪ Use stimulus equivalence procedures.</li> <li>▪ Plan for behavioral contrast effects.</li> <li>▪ Use the matching law and recognize factors influencing choice.</li> <li>▪ Arrange high-probability request sequences.</li> <li>▪ Use the Premack Principle.</li> <li>▪ Use pairing procedures to establish new conditioned reinforcers and punishers.</li> <li>▪ Use errorless learning procedures.</li> <li>▪ Use matching-to-sample procedures.</li> </ul>	<p>Candidate demonstrates competence by correctly answering 80 – 99% of questions pertaining to:</p> <ul style="list-style-type: none"> <li>▪ Use interventions based on manipulation of antecedents, such as motivating operations and discriminative stimuli.</li> <li>▪ Use discrimination training procedures.</li> <li>▪ Use instructions and rules.</li> <li>▪ Use contingency contracting (i.e., behavioral contracting).</li> <li>▪ Use independent, interdependent, and dependent group contingencies.</li> <li>▪ Use stimulus equivalence procedures.</li> <li>▪ Plan for behavioral contrast effects.</li> <li>▪ Use the matching law and recognize factors influencing choice.</li> <li>▪ Arrange high-probability request sequences.</li> <li>▪ Use the Premack Principle.</li> <li>▪ Use pairing procedures to establish new conditioned reinforcers and punishers.</li> <li>▪ Use errorless learning procedures.</li> <li>▪ Use matching-to-sample procedures.</li> </ul>	<p>Candidate demonstrates mastery by responding correctly to 100% of questions pertaining to:</p> <ul style="list-style-type: none"> <li>▪ Use interventions based on manipulation of antecedents, such as motivating operations and discriminative stimuli.</li> <li>▪ Use discrimination training procedures.</li> <li>▪ Use instructions and rules.</li> <li>▪ Use contingency contracting (i.e., behavioral contracting).</li> <li>▪ Use independent, interdependent, and dependent group contingencies.</li> <li>▪ Use stimulus equivalence procedures.</li> <li>▪ Plan for behavioral contrast effects.</li> <li>▪ Use the matching law and recognize factors influencing choice.</li> <li>▪ Arrange high-probability request sequences.</li> <li>▪ Use the Premack Principle.</li> <li>▪ Use pairing procedures to establish new conditioned reinforcers and punishers.</li> <li>▪ Use errorless learning procedures.</li> <li>▪ Use matching-to-sample procedures.</li> </ul>
--	---	--	---

<p style="text-align: center;">Foundational Knowledge</p>	<p>Candidate demonstrates further learning needed by answering correctly fewer than 80% of questions pertaining to:</p> <ul style="list-style-type: none"> <li>▪ Lawfulness of behavior.</li> <li>▪ Selectionism.</li> <li>▪ Determinism.</li> <li>▪ Empiricism.</li> <li>▪ Parsimony.</li> <li>▪ Pragmatism.</li> <li>▪ Environmental (as opposed to mentalistic) explanations of behavior.</li> <li>▪ Distinguish between radical and methodological behaviorism.</li> <li>▪ Distinguish between the conceptual analysis of behavior, experimental analysis of behavior, applied behavior analysis, and behavioral service delivery.</li> <li>▪ Define and provide examples of: <ul style="list-style-type: none"> <li>○ Behavior, response, response class</li> <li>○ Environment, stimulus, stimulus class</li> <li>○ Stimulus equivalence</li> <li>○ Reflexive relations (US-UR)</li> <li>○ Respondent conditioning (CS-CR)</li> <li>○ Operant conditioning</li> <li>○ Respondent-operant interactions</li> <li>○ Unconditioned reinforcement</li> <li>○ Conditioned reinforcement</li> <li>○ Unconditioned punishment</li> <li>○ Conditioned punishment</li> <li>○ Schedules of reinforcement and punishment</li> <li>○ Extinction</li> <li>○ Automatic reinforcement and punishment</li> <li>○ Stimulus control</li> <li>○ Multiple functions of a single stimulus</li> <li>○ Unconditioned motivating operations</li> <li>○ Conditioned motivating operations</li> <li>○ Transitive, reflexive, surrogate motivating operations</li> <li>○ Distinguish between discriminative stimulus and the motivating operation</li> <li>○ Distinguish between the motivating operation and reinforcement effects</li> <li>○ Behavioral contingencies</li> </ul> </li> </ul>	<p>Candidate demonstrates competence by answering correctly 80 – 99% of questions pertaining to:</p> <ul style="list-style-type: none"> <li>▪ Lawfulness of behavior.</li> <li>▪ Selectionism.</li> <li>▪ Determinism.</li> <li>▪ Empiricism.</li> <li>▪ Parsimony.</li> <li>▪ Pragmatism.</li> <li>▪ Environmental (as opposed to mentalistic) explanations of behavior.</li> <li>▪ Distinguish between radical and methodological behaviorism.</li> <li>▪ Distinguish between the conceptual analysis of behavior, experimental analysis of behavior, applied behavior analysis, and behavioral service delivery.</li> <li>▪ Define and provide examples of: <ul style="list-style-type: none"> <li>○ Behavior, response, response class</li> <li>○ Environment, stimulus, stimulus class</li> <li>○ Stimulus equivalence</li> <li>○ Reflexive relations (US-UR)</li> <li>○ Respondent conditioning (CS-CR)</li> <li>○ Operant conditioning</li> <li>○ Respondent-operant interactions</li> <li>○ Unconditioned reinforcement</li> <li>○ Conditioned reinforcement</li> <li>○ Unconditioned punishment</li> <li>○ Conditioned punishment</li> <li>○ Schedules of reinforcement and punishment</li> <li>○ Extinction</li> <li>○ Automatic reinforcement and punishment</li> <li>○ Stimulus control</li> <li>○ Multiple functions of a single stimulus</li> <li>○ Unconditioned motivating operations</li> <li>○ Conditioned motivating operations</li> <li>○ Transitive, reflexive, surrogate motivating operations</li> <li>○ Distinguish between discriminative stimulus and the motivating operation</li> <li>○ Distinguish between the motivating operation and reinforcement effects</li> <li>○ Behavioral contingencies</li> </ul> </li> </ul>	<p>Candidate demonstrates mastery by responding correctly to 100% of questions pertaining to:</p> <ul style="list-style-type: none"> <li>▪ Lawfulness of behavior.</li> <li>▪ Selectionism.</li> <li>▪ Determinism.</li> <li>▪ Empiricism.</li> <li>▪ Parsimony.</li> <li>▪ Pragmatism.</li> <li>▪ Environmental (as opposed to mentalistic) explanations of behavior.</li> <li>▪ Distinguish between radical and methodological behaviorism.</li> <li>▪ Distinguish between the conceptual analysis of behavior, experimental analysis of behavior, applied behavior analysis, and behavioral service delivery.</li> <li>▪ Define and provide examples of: <ul style="list-style-type: none"> <li>○ Behavior, response, response class</li> <li>○ Environment, stimulus, stimulus class</li> <li>○ Stimulus equivalence</li> <li>○ Reflexive relations (US-UR)</li> <li>○ Respondent conditioning (CS-CR)</li> <li>○ Operant conditioning</li> <li>○ Respondent-operant interactions</li> <li>○ Unconditioned reinforcement</li> <li>○ Conditioned reinforcement</li> <li>○ Unconditioned punishment</li> <li>○ Conditioned punishment</li> <li>○ Schedules of reinforcement and punishment</li> <li>○ Extinction</li> <li>○ Automatic reinforcement and punishment</li> <li>○ Stimulus control</li> <li>○ Multiple functions of a single stimulus</li> <li>○ Unconditioned motivating operations</li> <li>○ Conditioned motivating operations</li> <li>○ Transitive, reflexive, surrogate motivating operations</li> <li>○ Distinguish between discriminative stimulus</li> </ul> </li> </ul>
	<p>Hoch - EDSE 619 MLI: Fall 2014</p>		

## **Performance-based Common Assignments (No TaskStream submission required).**

**Blackboard Discussion Board Items.** For weeks indicated below, and in conjunction with readings from *About Behaviorism*, you will respond to the week's two Discussion Board Items. To respond, first do the assigned reading from *About Behaviorism*. Then, go to the Discussion Board Items for that week. Read the question, and respond to the question directly for one point. Then, on another day during the period for which the question is available, read the responses posted by your classmates, and respond to one or more of your classmates' posts for an additional point.

### **Other Assignments.**

**Quizzes.** There are 257 quiz questions embedded into the lecture presentations you will view as part of this course. Most of the presentation segments end with one to seven quiz questions. You will receive 1 point for each correct quiz response. Missed quiz items may be repeated, but you must watch again the presentation segment of which that question is a part to answer it a second time.

**Online Flashcards.** These are available through the Anki tab on this course's blackboard site. You will be assigned one or two sets of flash cards during most weeks. You are strongly encouraged to complete these assignments to mastery – responding correctly on each card in the deck in 30 seconds or less per deck (and, the faster, the better). These assignments will help you build fluency with some basic vocabulary and concepts that you will encounter throughout the Applied Behavior Analysis courses at George Mason University, and throughout your career as a Behavior Analyst. Fluent behavior (e.g., behavior that is correct, quickly – almost automatically) is generally more durable, likely to generalize, and likely to persist in the face of distraction than non-fluent behavior. Please practice every deck, as assigned, several times each day, until you are regularly completing each deck with 100% accuracy in fewer than 30 seconds. (Even shorter timings are better!) THERE ARE NO POINTS ASSOCIATED WITH THIS ASSIGNMENT – RATHER, IT IS PROVIDED AS A COURTESY TO ASSIST WITH YOUR STUDIES.

**Synchronous Discussions.** You will participate in five synchronous (live) discussions as specified on the first page of this syllabus. You will earn 5 points for participating in each discussion. (Please note, though, that participation points are contingent on speaking and contributing to the discussion – not solely on attendance.) You may not make up missed synchronous discussion points due to attendance without participation, or due to absence.

**Lesson Tests.** Lessons 2 through 12 end with a 15 multiple choice item Lesson Test. Lesson 13 ends with a 10 question test. There is no Lesson Test for Lesson 10. Test questions are based on content of the recorded presentations for that week, as well as content assigned for reading for that week. Students will have one attempt at each lesson test, and attempts are limited to 30 minutes. Complete these tests only after completing the other portions of each respective lesson. Each test item is worth one point toward your final grade.

**Research Profile.** This assignment will: 1) provide you experience using PsychInfo to conduct literature searches; 2) acquaint students with GMU library resources; 3) provide individual students with exposure to the behavior analytic literature; and 4) provide exposure to behavior analysis as a transcendent discipline and practice to the class. To do this assignment:

1. Choose your author from the following list, on the Wiki available in the Research Profiles Tab on Blackboard. (Note: the first student to claim an author gets the author! Please check and see who your classmates have selected before making your selection. Students selecting an author who has already been selected will be asked to select another author.)

Timothy R. Vollmer	Beth Sulzer-Azaroff	Gina Green	Sigrid Glenn	Kathryn J. Saunders
Kennon A. Lattal	Linda J. Hayes	Alan Poling	Michael J. Dougher	Gerald L. Shook
Mark Sundberg	James Partington	Judith E. Favell	Raymond G. Miltenberger	Donald Baer
Johnny Matson	Thomas S. Critchfield	Beatrice Barrett	Jon S. Bailey	Dermot Holmes-Barnes
Aubrey C. Daniels	Julie S. Vargas	R. Douglas Greer	Timothy D. Hackenberg	Lawrence E. Fraley
Dennis H. Reid	Glen Dunla-	Louis Burgio	Jay Moore	Paul Touchette
Murray Sidman	James Todd	Richard Kubina	Abigail Calkin	Philip Hinline

2. Once you have an author assignment, do a PsychInfo search for articles, chapters, and books written by the author. Conduct the list such that you not only get the references for the author's work, but also the abstracts.
3. Print the outcome of the search.
4. Read the abstracts.
5. Obtain several of the articles, chapters, or books from the library, or through interlibrary lending. Read them.
6. If the author is living, contact the author and, if the author is willing, interview the author, either by phone or by e-mail.
7. Prepare a report in which you:
  - a. Identify the type of work the author has done, and the populations considered.
  - b. Describe three notable themes you found in the author's work.
  - c. Discuss possible applications of the authors work to other populations or problems.
  - d. Cite the articles, chapters, and/or books you read in preparing your report (using APA Sixth Edition style).
8. Deliver your report in 5 minutes or less, leaving 2 minutes for questions or comments afterward, during one of the class sessions so indicated on the class schedule.

Extra Credit. **NOTE: ONLY UP TO 20 POINTS OF EXTRA CREDIT WILL BE COUNTED TOWARD THE FINAL GRADE. STUDENTS MAY COMPLETE AS FEW OR AS MANY OF THE EXTRA CREDIT OPTIONS AS THEY WISH – BUT NO EXTRA CREDIT BEYOND 20 POINTS WILL BE COUNTED TOWARD THE FINAL GRADE.**

Completing the following **Behavior Development Solutions** modules:

- Definitions and Characteristics
- Principles, Procedures, and Concepts

and uploading proof of completion to Blackboard (under the Extra Credit tab) by 11:59 pm US Eastern Time on 12 May 2014 will earn 10 points of extra credit per certificate submitted. Information on purchasing a subscription to the Behavior Development Solutions Behavior Analyst Certification Exam study software can be found at [www.behaviordevelopmentsolutions.com](http://www.behaviordevelopmentsolutions.com).

Additionally, one may go to the **Autism Internet Modules** at [www.autisminternetmodules.org](http://www.autisminternetmodules.org). Once there, create an account. (This is free of charge.) Completing the following modules:

- Differential Reinforcemen
- Extinction
- Reinforcement

And then uploading proof of completion to Blackboard (under the Extra Credit Tab) by 11:59 pm US Eastern Time on 15 December 2014 will earn 5 points of extra credit per module completed.

Finally, submitting scans of one's completed guided notes (with one's name atop each page) for both the reading from the Cooper, Heron, and Heward (2007) book and for the recorded presentations **no later than 11:59 pm on the second Monday after the weekly folder in which they were found first became available** will earn one point of extra credit for each completed, complete set of guided notes submitted. That is, if a student wishes to submit the guided notes for Week 2 for extra credit, for example, the student must submit the complete set of these completed guided notes for Week 2 no later than 11:59 pm on the Monday of Week 4. **A week's guided notes must be scanned into a single document, and saved as a pdf file – NO PHOTOGRAPHS, AND NO MULTIPLE PAGE SUBMISSIONS WILL BE ACCEPTED** – and uploaded through the Extra Credit tab in Blackboard.

## Schedule

Throughout the following table, *ABA* refers to the Cooper, Heron, & Heward (2007) text, and *AB* to *About Behaviorism*. NLT refers to No Later Than, RBNR means Recommended but Not Required, and EC means Extra Credit. **ALL WORK MUST BE SUBMITTED PRIOR TO BEGINNING THE FINAL EXAM; NO WORK SUBMITTED AFTER YOU BEGIN THE FINAL EXAM WILL BE ACCEPTED.**

Date	Topics	Assignments
8/25/14 Week 1	Orientation to ABA, Certification, and the GMU ABA Program; Syllabus Review	<input type="checkbox"/> Complete Pretest NLT 9/1 <input type="checkbox"/> Complete embedded quizzes NLT 9/8
9/1/14 Week 2	Basic Philosophy and Terminology; Respondent Behavior and Respondent Conditioning	<input type="checkbox"/> Read <i>ABA</i> Ch. 1 & 2 <input type="checkbox"/> Read <i>AB</i> Intro & Ch 1 <input type="checkbox"/> Complete DB 1 and DB 2 NLT 9/15 <input type="checkbox"/> Complete embedded quizzes NLT 9/15 <input type="checkbox"/> Complete lesson test NLT 9/15 <input type="checkbox"/> RBNR Master Flashcards Deck 1 <input type="checkbox"/> EC Guided Notes due NLT 9/15 <input type="checkbox"/> Participate in Synchronous Discussion at 4:30 pm on 9/2 through Blackboard Collaborate
9/8/14 Week 3	Operant behavior and operant conditioning; positive and negative reinforcement	<input type="checkbox"/> Read <i>ABA</i> Ch. 11 & 12 <input type="checkbox"/> Read <i>AB</i> Ch 2 <input type="checkbox"/> Complete DB Items 3 and 4 NLT 9/22 <input type="checkbox"/> Complete embedded quizzes NLT 9/22 <input type="checkbox"/> Complete lesson test NLT 9/22 <input type="checkbox"/> RBNR Master Flashcards Deck 2 <input type="checkbox"/> EC Guided Notes due NLT 9/22 <input type="checkbox"/> Participate in Synchronous Discussion on 9/9 at 4:30 pm through Blackboard Collaborate
9/15/14 Week 4	More operant behavior and operant conditioning; positive and negative punishment	<input type="checkbox"/> Read <i>ABA</i> Ch. 14 & 15 <input type="checkbox"/> Read <i>AB</i> Ch 3 <input type="checkbox"/> Complete DB Items 5 and 6 NLT 9/29 <input type="checkbox"/> Complete embedded quizzes NLT 9/29 <input type="checkbox"/> Complete lesson test NLT 9/29 <input type="checkbox"/> RBNR Master Flashcards Deck 3 <input type="checkbox"/> EC Guided Notes due NLT 9/29
9/22/14 Week 5	Operant and Respondent Extinction; Alternative methods of producing extinction effects	<input type="checkbox"/> Read <i>ABA</i> Ch 21 <input type="checkbox"/> Read <i>AB</i> Ch 4 <input type="checkbox"/> Complete DB Items 7 and 8 NLT 10/6 <input type="checkbox"/> Complete embedded quizzes NLT 10/6 <input type="checkbox"/> Complete lesson test NLT 10/6 <input type="checkbox"/> RBNR Master Flashcards Deck 4 <input type="checkbox"/> EC Guided Notes due NLT 10/6

9/29/14 Week 6	Schedules of Reinforcement	<input type="checkbox"/> Read <i>ABA</i> Ch. 13 <input type="checkbox"/> Read <i>AB</i> Ch. 5 <input type="checkbox"/> Complete DB 9 and 10 NLT 10/13 <input type="checkbox"/> Complete embedded quizzes NLT 10/13 <input type="checkbox"/> Complete lesson test no later than 10/13 <input type="checkbox"/> RBNR Master Flashcards Deck 5 <input type="checkbox"/> EC Guided Notes due NLT 10/13
10/6/14 Week 7	Differential Reinforcement	<input type="checkbox"/> Read <i>ABA</i> Ch. 22 <input type="checkbox"/> Read <i>AB</i> Ch. 6 <input type="checkbox"/> Complete DB 11 and 12 NLT 10/20 <input type="checkbox"/> Complete embedded quizzes NLT 10/20 <input type="checkbox"/> Complete lesson test NLT 10/20 <input type="checkbox"/> RBNR Master Flashcards deck 6 <input type="checkbox"/> EC Guided Notes due NLT 10/20
10/13/14 Week 8	Antecedent stimulus control of operant behavior, stimulus generalization, and response generalization	<input type="checkbox"/> Read <i>ABA</i> Ch. 17 <input type="checkbox"/> Read <i>AB</i> Ch 7 <input type="checkbox"/> Complete DB 13 and 14 NLT 10/27 <input type="checkbox"/> Complete embedded quizzes NLT 10/27 <input type="checkbox"/> Complete lesson test NLT 10/27 <input type="checkbox"/> RBNR Master Flashcard Deck 7 <input type="checkbox"/> EC Guided Notes due NLT 10/27
10/20/14 Week 9	Motivating Operations	<input type="checkbox"/> Read <i>ABA</i> Ch. 16 <input type="checkbox"/> Read <i>AB</i> Ch. 8 <input type="checkbox"/> Complete DB 15 and 16 NLT 11/3 <input type="checkbox"/> Complete embedded quizzes NLT 11/3 <input type="checkbox"/> Complete lesson test NLT 11/3 <input type="checkbox"/> RBNR Master Flashcards deck 7 <input type="checkbox"/> EC Guided Notes due NLT 11/3
10/27/14 Week 10	Instructions; Prompting and Prompt Fading	<input type="checkbox"/> Read <i>AB</i> Ch. 9 <input type="checkbox"/> Complete DB 17 and 18 NLT 11/10 <input type="checkbox"/> Complete embedded quizzes NLT 11/10 <input type="checkbox"/> Handed & Zane assignment due NLT 11/10 <input type="checkbox"/> AIM Prompting Module due NLT 11/10 <input type="checkbox"/> RBNR Master Flashcards deck 8 <input type="checkbox"/> EC Guided Notes due NLT 11/10
11/3/14 Week 11	Discrimination and Conditional Discrimination	<input type="checkbox"/> Read <i>ABA</i> Ch 18 <input type="checkbox"/> Read <i>AB</i> Ch. 10 <input type="checkbox"/> Complete DB 19 and 20 NLT 11/17 <input type="checkbox"/> Complete embedded quizzes NLT 11/7 <input type="checkbox"/> Complete lesson test NLT 11/7 <input type="checkbox"/> RBNR Master Flashcards deck 9 <input type="checkbox"/> EC Guided Notes due 11/17

11/10/14 Week 12	Instructions, Compliance, Shaping, and Chaining	<input type="checkbox"/> Read <i>ABA</i> Ch 19 and 20 <input type="checkbox"/> Read <i>AB</i> Ch. 11 <input type="checkbox"/> Complete DB 21 and 22 NLT 12/1 <input type="checkbox"/> Complete embedded quizzes NLT 12/1 <input type="checkbox"/> Complete lesson test NLT 12/1 <input type="checkbox"/> RBNR Master Flashcards deck 10 <input type="checkbox"/> EC Guided Notes due NLT 12/1 <input type="checkbox"/> Participate in Synchronous Discussion on 11/11 at 4:30 pm in Blackboard Collaborate
11/17/14 Week 13	Behavioral Contracting, Token Economies, and Group Contingencies	<input type="checkbox"/> Read <i>ABA</i> Ch 26 <input type="checkbox"/> Read <i>AB</i> Ch. 12 <input type="checkbox"/> Complete DB 21 and 22 NLT 12/8 <input type="checkbox"/> Complete embedded quizzes NLT 12/8 <input type="checkbox"/> Complete lesson test NLT 12/8 <input type="checkbox"/> RBNR Master Flashcards Deck 11 <input type="checkbox"/> EC Guided Notes due NLT 12/8 <input type="checkbox"/> Participate in Synchronous Discussion on <b>11/25</b> at 4:30 pm in Blackboard Collaborate
12/1/14 Week 14	Stimulus Equivalence	<input type="checkbox"/> Read <i>AB</i> Ch 13 & 14 <input type="checkbox"/> Complete DB 23 and 24 NLT 12/15 <input type="checkbox"/> Complete embedded quizzes NLT 12/15 <input type="checkbox"/> Complete lesson test NLT 12/15 <input type="checkbox"/> RBNR Master Flashcards Deck 12 <input type="checkbox"/> EC Guided Notes due NLT 12/15 <input type="checkbox"/> Participate in Synchronous Discussion on 12/2 at 4:30 pm in Blackboard Collaborate
12/3/14 – 12/15/14 Week 15	Final Exam	<input type="checkbox"/> EC DB 25 and 26 due NLT 12/15 <input type="checkbox"/> Complete Final Exam no later than 11:59 pm on 12/15/14  <b>NOTE: NO WORK SUBMITTED AFTER YOU HAVE BEGUN THE FINAL EXAM WILL BE ACCEPTED – PLEASE SUBMIT ALL WORK (INCLUDING EXTRA CREDIT) PRIOR TO BEGINNING THE FINAL EXAM.</b>