Fall 2016

PSYCHOLOGY 541: Personality and Psychopathology
Westen Mon 9:00-11:30
Maximum Enrollment: 10. (Permission required prior to enrollment)
Content: The focus is on the nature and classification of psychopathology, with a focus on the relation between personality and psychopathology. The course begins with a discussion of theoretical perspectives on psychopathology, followed by a review of the latest research on the major forms of psychiatric disturbance described in the DSM-IV.
Texts: Reading materials will be original sources, consisting of classic and recent articles from the psychopathology literature.
Particulars: One exam paper.

PSYCHOLOGY 548: Assessment I
Abramowitz Thurs 12:00-2:30
Maximum Enrollment: 15. (Permission required prior to enrollment)
Content: The goal of this course, along with its associated practicum, is to provide a foundation in psychometric theory, a foundation in theories and research relating to intelligence and its measurement, an understanding of the legitimate and ethical purposes of assessment, training and supervision in key assessment instruments, and training in assessment as an integrative process. Assessment of learning problems, from preschool to adult, will be covered.

PSYCHOLOGY 552: Animal Behavior and Evolution
Gouzoules, Maney Tues Thurs 11:30-12:45
Maximum Enrollment: 15. (Permission required prior to enrollment)
Content: This is a lecture course on the study of animal behavior from both topical and historical perspectives and emphasizes naturalistic behavior and approaches. We will approach all of the material from an evolutionary, functional perspective, beginning with early ethology and moving through behavioral genetics, endocrinology, and neuroethology. The majority of the course focuses on the evolution of behavioral strategies, such as courtship and mating systems, cooperation, aggression, parenting, and communication, with some discussion of social cognition and culture. The relevance of sociobiological research to humans will be discussed.

PSYCHOLOGY 560: ANOVA – Advanced Statistics
McDowell Tues Thurs 10:00 – 11:15
Maximum Enrollment: 16. (Permission required prior to enrollment)
Content: Provides students with appropriate statistical tools to analyze the data obtained in traditional psychological research involving the manipulations of one or more independent variables. The emphasis is on the Analysis of Variance, which forms the backbone of much of psychological research. Topics include when and how to perform the analysis of variance for one-way designs, for factorial design, and for a variety of repeated measure designs. A second major objective of the course is to learn how to analyze data using SPSS, one of the frequently used computer-based data analysis packages.

PSYCHOLOGY 597R: Directed Study
By Faculty TBA

PSYCHOLOGY 599R: Master Thesis Research
By Faculty TBA
PSYCHOLOGY 611: Cognitive Theory and Methods  
Dilks, Lourenco  Wed 2:30-5:00  
Maximum Enrollment: 15. (Permission required prior to enrollment)  
This course is one of several modules within the Cognition and Development (C & D) graduate program. Each module lasts 7 weeks (i.e., half a semester) and students receive 2 credits upon successful completion. The teaching aim of these modules is to provide students with a solid conceptual foundation to make sense of classic and current issues within the literatures of cognition and development. Graduate students from other Psychology programs, other Emory departments, and other Atlanta universities are also welcome. Undergraduate honors students at Emory may also be admitted with instructor approval. In particular, this course addresses cognitive theory and methods. The goal is to cover classic and current theoretical perspectives as well as methodological approaches in human cognition.  
Course Particular: This 7 weekly three-hour class will have at least three components: 1) Faculty lectures introducing the particular topic with the goal of providing students with historical background and current perspectives, 2) Discussion between faculty and students on assigned (classic and current) readings, 3) Separate student discussion of weekly lecture and readings.  
Textbook: No textbook, rather students will read articles that will be posted on blackboard.

PSYCHOLOGY 730R: The Language Group  
Nygaard  Mon 10:00 - 11:30  
Maximum Enrollment: 15. (Permission required prior to enrollment)  
Content: This is a research seminar in which students, faculty, and post-docs discuss their work and recent papers on topics related to language including speech processing, symbolic representation, word learning, non-verbal communication, and categorization from behavioral and neuroscientific, adult and developmental perspectives.

PSYCHOLOGY 730R: Narrative Identity  
Fivush  TBA  Maximum Enrollment: 15. (Permission required prior to enrollment)  
Content: TBA. Pass/fail only.

PSYCHOLOGY 730R: Proseminar in Learning  
Bauer, Manns  Mon 1:00-2:15  
Maximum Enrollment: 12. (Permission required prior to enrollment)  
Content: TBA Particulars: Pass/fail only.

PSYCHOLOGY 730R: Big Data and the Mind  
Wolff, TBA  
Maximum Enrollment: 15. (Permission required prior to enrollment)  
Content: TBA. Pass/fail only.

PSYCHOLOGY 730R: Behavioral Neuroendocrinology Group  
Wallen  Tues 4:00-5:30  
Maximum Enrollment: 10 (Permission required prior to enrollment)  
Content: This seminar will focus on discussion of primary literature and student presentations in the field of behavioral neuroendocrinology.  
Texts: Selected readings from scientific journals may be assigned for individual sessions.
Particulars: NAB graduate students interested in behavioral endocrinology and neuroendocrinology are especially encouraged to enroll. Graduate students from other programs are welcome as well. Content will vary from semester to semester and the course can be repeated for credit.

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**PSYCHOLOGY 730R: Culture and Cognition**  
Dilks  
Lourenco  
Hamann  
Fri 1:00-2:30  
**Maximum Enrollment:** 15. (Permission required prior to enrollment)  
**Content:** Research, reading (the most current, as well as seminar papers), and discussion on group on perception, cognition, and social cognition from infancy to adulthood, examining behavioral, neuroscientific, and cross-cultural data.

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**PSYCHOLOGY 750: Clinical Supervision: Assessment Practicum**  
Abramowitz  
Duke  
Messina  
Snow  
Wyner  
**Maximum Enrollment:** 5. (Permission required prior to enrollment)  
**Content:** Supervised clinical work in psychological assessment.

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**PSYCHOLOGY 750: Clinical Supervision: Therapy Practicum**  
Abramowitz  
Duke  
Messina  
Snow  
Wyner  
**Maximum Enrollment:** 5. (Permission required prior to enrollment)  
**Content:** Supervised clinical work in psychological therapy.

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**PSYCHOLOGY 750: Community Practicum**  
Messina  
Walker  
Emory  
**Particulars:** (Permission required prior to enrollment)

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**PSYCHOLOGY 750L: Assessment Practicum I**  
Abramowitz  
TBA  
**Particulars:** (Permission required prior to enrollment)

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**PSYCHOLOGY 770N: Behavior Therapy**  
McDowell Thurs 1:00-3:30  
**Maximum Enrollment:** 15. (Permission required prior to enrollment)
Content: The topic of this course is the application of basic behavior-analytic research to the clinical problems of children and adults. It will consist of lectures on basic behavior-analysis and general methods of behavior therapy, and student presentations on selected clinical topics.

**PSYCHOLOGY 770R: Animal Models of Developmental Psychopathology**  
Bachevalier Tues Thurs 2:30-3:45  
Maximum Enrollment: 12. (Permission required prior to enrollment)  
Content: TBA.

**PSYCHOLOGY 770R: Neurobiology and Applications of Sleep and Circadian Rhythms**  
Rodman Friday 9:30-12:00  
Maximum Enrollment: 16 (Permission not required for grad students; permission required for undergraduates).  
Description: This is a seminar course which will approach the biological basis of sleep and sleep timing in a multidisciplinary fashion suitable for graduate students in psychology and related disciplines. Data from the primary literature will be considered in light of their potential for application to both research and clinical domains. Material addressed will include neural and hormonal mechanisms, animal models, evolutionary considerations, implications of normal patterns and perturbations of sleep and circadian function, and cross-cultural findings. Format will be primarily discussion and student presentation of original research literature, augmented by some lecture material as needed. Students will also have opportunities to keep and reflect on a sleep log, to explore practical approaches to measuring sleep with wearable technology, and to examine brain tissue to build a three-dimensional understanding of the neural networks governing sleep and circadian rhythms across species.

**PSYCHOLOGY 770R: Latent Variable Models**  
Waldman Tuesday 2:00-4:30  
Maximum Enrollment: 12. (Permission required prior to enrollment)  
Description: TBA

**PSYCHOLOGY 770R: William James Seminar: Psychological Principles, Religious Experience, and Pragmatism (Same as RLPC 710K and EDS 771V)**  
Snarey Tues 2:30-5:00  
Maximum Enrollment: 5  
William James (1842-1910), a giant in American intellectual history, is variously considered to be the founding father of American psychology, the foremost and most American philosopher, and a pioneer in the psychological study of religion in America. This course embraces all three faces of James. The seminar begins with a psychological biography; then seminar members will become familiar first-hand with James’s psychology by studying selected chapters from his classic volumes, *Psychology: The Briefer Course* (1892) and *Talks to Teachers on Psychology* (1899). Similar attention will be given to James’s philosophical pragmatism by reading essays from his classic volumes, especially *Pragmatism* (1907) and *A Pluralistic Universe* (1909). Building on this biographical-psychological-philosophical foundation, the primary section of the seminar involves a close reading of James’s *The Varieties of Religious Experience* (1902), which is often regarded as the greatest classic in the psychological study of religion. Critiques of James will be introduced throughout the course, but we will conclude the semester with an overview of critical essays written by James’s detractors and assess what we may have missed, and what they may have missed.
PSYCHOLOGY 774R: Clinical Research & Training Seminar
Craighead Wed 9:00-10:30
Content: This is the ongoing research and training seminar of the clinical psychology graduate program. Topics vary from year to year, but include research presentations by students and faculty and theoretical and research-based discussions of clinical issues. Special topics such as ethics, legal questions, social issues, and problems of special populations are also addressed.
Texts: There are no texts, but reading may be assigned in preparation for individual presentations.
Particulars: This course is required for all clinical psychology graduate students during each of their first four years in residence. The course is not open to students outside of the department of psychology.

PSYCHOLOGY 775R: Neuroscience & Animal Behavior Research Seminar
Hampton Thurs 4:00 –5:30
Content: This seminar serves primarily as a way for graduate students and faculty interested in Neuroscience and Animal Behavior to share their research and ideas. Content varies from semester to semester. The course includes presentations by NAB students and faculty as well as occasional visitors from other departments and universities. Issues in ethics will also be covered.
Particulars: All graduate students registered for the seminar are expected to present a talk or lead a discussion at least once during the academic year. All student presenters receive detailed feedback on their presentation.

PSYCHOLOGY 776R: Cognition and Developmental Issues Seminar
Lourenco Wed 12:00-1:00
Content: This course focuses on current findings and theoretical issues in the study of cognition and development.

PSYCHOLOGY 797R: Directed Study
By Faculty TBA

PSYCHOLOGY 799R: Doctoral Dissertation Research
By Faculty TBA
**Spring 2017**

**PSYCHOLOGY 546: Intervention I: Theories of Psychotherapy**  
Craighed, Wed 10:00-12:30, PAIS 393  
**Maximum Enrollment:** 15. (Permission required prior to enrollment)  
**Content:** Introduction to the theory and practice of individual psychotherapy including psychoanalytic, humanistic, cognitive, and behavioral approaches. Examples of applications to both childhood and adult problems are included in this course  
**Particulars:** Enrollment is open to graduate students and Emory College senior honors students.

**PSYCHOLOGY 549: Assessment II: Personality & Psychopathology**  
Lilienfeld, Tues 9:00-11:30, PAIS 494  
**Maximum Enrollment:** 8. (Permission required prior to enrollment)  
**Content:** This course will cover both theoretical and applied issues in personality assessment. Special emphasis will be placed on clinical judgment and prediction, the research literature on personality assessment and on structured personality tests (particularly the MMPI-2) and structured psychiatric interviews, as well as on both the strengths and limitations of clinical judgment and prediction.  
**Particulars:** One midterm and a final exam; periodic homework assignments.

**PSYCHOLOGY 552: Animal Behavior and Evolution**  
Gouzoules & Maney, Tues Thurs 2:30-3:45, PAIS 493  
**Maximum Enrollment:** 15. (Permission required prior to enrollment)  
**Content:** This is a lecture course on the study of animal behavior from both topical and historical perspectives and emphasizes naturalistic behavior and approaches. We will approach all of the material from an evolutionary, functional perspective, beginning with early ethology and moving through behavioral genetics, endocrinology, and neuroethology. The majority of the course focuses on the evolution of behavioral strategies, such as courtship and mating systems, cooperation, aggression, parenting, and communication, with some discussion of social cognition and culture. The relevance of sociobiological research to humans will be discussed.

**PSYCHOLOGY 561: Multiple Regressions and the General Linear Model**  
Waldman, Tues 1:00 - 4:00, PAIS 361  
**Maximum Enrollment:** 12. (Permission required prior to enrollment)  
**Content:** In this course we will examine multiple regression analysis and the general linear model as a comprehensive statistical analytical framework, including a mix of theoretical, conceptual and "hands-on" approaches. We will begin with basic statistical concepts and their assumptions and then explore some useful graphical statistical methods, the relation of regression to ANOVA, model adequacy and regression diagnostics, and models containing additive, interactive, curvilinear, and indirect effects. Time permitting, we will also examine analyses of categorical and of multiple dependent variables.  
**Texts:** Selected articles and chapters, and text(s) TBA.  
**Particulars:** By consent of instructor only. There will be four or five assignments integrating statistical analyses on computer with concepts learned in class, as well as two exams to test students' knowledge of the material covered.  
**Prerequisite:** Advanced Statistics (PSYC 560).
PSYCHOLOGY 597R: Directed Study  
By Faculty TBA  
**Particulars:** Graduate students only. (Permission required prior to enrollment)

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PSYCHOLOGY 599R: Master Thesis Research  
By Faculty TBA  
**Particulars:** Graduate students only. (Permission required prior to enrollment)

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PSYCHOLOGY 614: Memory  
Bauer & Hamann, Tues 1:00-3:30, PAIS TBA  
**Maximum Enrollment:** 15. (Permission required prior to enrollment)  
**Particulars:** This course runs on the 1st seven weeks of the semester only, 2 credits.

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PSYCHOLOGY 720: Behavioral Effects of Drugs  
Neill & Palmer, TBA  
**Maximum Enrollment:** 20. (Permission required prior to enrollment)  
**Content:** This graduate/advanced undergraduate course will be an adventure combining lecture and seminar formats of teaching. You are all advanced students who have exhibited an interest in tackling some challenging, but very fascinating material on addiction. Our challenge over the next couple of weeks is to work together to make this a terrific learning experience for all. That said, this will not be your typical lecture sequence. We (Drs. Palmer and Neill) will not always be standing in front of the class, having chosen, culled and organized material that will be available to you. Although we have pre-selected the material you will be reading, we will also be also reading it with you while proving guidance about how to read the material. You will have the opportunity to suggest ideas or interpretations of the readings or bring in ideas from the articles listed.  
**Particulars:** Course readings will focus on three major themes: The Pharmacology of Drug Action → Determinants of Substance Use Disorders → Psychopathology, Drugs, & Comorbidity.  
At the end of this course you will be able to:  
1. Describe the neurobiological mechanisms of reward and how it pertains to substance abuse;  
2. Describe the various causes of behavior, particularly addiction (psychosocial & biological)  
3. Describe the addictive process and its generalizability to various drugs (alcohol, tobacco, marijuana, cocaine/crack, heroin, and other substances);  
4. Clinically define addiction  
5. Identify behavioral correlates describe and critique the models of primary prevention, treatment, and relapse prevention;

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PSYCHOLOGY 730R: Event Related Potentials (ERPs)  
Bauer, TBA  
**Maximum Enrollment:** 15. (Permission required prior to enrollment)  
**Particulars:** Pass/fail only.

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PSYCHOLOGY 730R: Proseminar in Learning  
Bauer & Manns, Mon 1:00-2:15, PAIS 393  
**Maximum Enrollment:** 12. (Permission required prior to enrollment)  
**Particulars:** Pass/fail only.
PSYCHOLOGY 730R: Culture and Cognition
Dilks, Lourenco & Rochat; Fri 1:00-2:15, PAIS 493
Maximum Enrollment: 15. (Permission required prior to enrollment)
Content: Research, reading, and discussion group on cognition and social cognition from a cross-cultural and comparative perspective.
Particulars: Pass/fail only.

PSYCHOLOGY 730R: Behavioral Neuroendocrinology Group
Maney & Wallen, Tues 4:00-5:15, PAIS 493
Maximum Enrollment: 10 (Permission required prior to enrollment)
Content: This seminar will focus on discussion of primary literature and student presentations in the field of behavioral neuroendocrinology.
Texts: Selected readings from scientific journals may be assigned for individual sessions.
Particulars: NAB graduate students interested in behavioral endocrinology and neuroendocrinology are especially encouraged to enroll. Graduate students from other programs are welcome as well. Content will vary from semester to semester and the course can be repeated for credit. Pass/fail only.

PSYCHOLOGY 750R: Clinical Practicum/Supervision: Assessment
Abramowitz, Emory, McDowell, Messina, Snow & Wyner; TBA
Maximum Enrollment: 5. (Permission required prior to enrollment)
Content: Supervised clinical work in assessment and treatment of clients.

PSYCHOLOGY 750R: Clinical Practicum/Supervision: Therapy
Abramowitz, Duke, McDowell, Messina, Snow, Walker & Wyner; TBA
Maximum Enrollment: TBA. (Permission required prior to enrollment)
Content: Supervised clinical work in therapy and treatment of clients.

PSYCHOLOGY 750L: Clinical Practicum: Assessment I: Part I Lab
Abramowitz, TBA
Maximum Enrollment: 5. (Permission required prior to enrollment)
Particulars: Must be a graduate student enrolled in Psyc 549.

PSYCHOLOGY 750: Clinical Practicum/Supervision: Practicum in Evidence-Based Treatment for Children
Abramowitz, TBA
Maximum Enrollment: 10. (Permission required prior to enrollment)
Content: TBA.

PSYCHOLOGY 750: Community Practicum
Messina, TBA
Maximum Enrollment: 10. (Permission required prior to enrollment)

PSYCHOLOGY 750: Community Practicum
Walker, TBA
Maximum Enrollment: 10. (Permission required prior to enrollment)
PSYCHOLOGY 760: Teaching Practicum: Pedagogy  
Bauer, Wed 1:30-4:00, PAIS 280  
**Maximum Enrollment:** 15. (Permission required prior to enrollment)  
**Content:** This course focuses on strategies for teaching undergraduate courses in psychology. Topics include setting teaching goals and objectives, preparing a syllabus, choosing required reading, preparing lectures, exams and grading, leading class discussions, active learning strategies, the use of new teaching technologies on the internet and in the classroom, and legal and ethical issues. Current literature on teaching effectiveness is reviewed. Several in-class exercises and outside projects provide students opportunities to develop their teaching abilities.  
**Particulars:** This course is required for graduate students assigned as teaching assistants for PSYC 200WR and QTM 100 during the academic year.

PSYCHOLOGY 770N: Behavior Therapy  
McDowell, Thurs 1:00-3:30, PAIS TBA  
**Maximum Enrollment:** 20. (Permission required prior to enrollment)  
**Content:** The topic of this course is the application of basic behavior-analytic research to the clinical problems of children and adults. It will consist of lectures on basic behavior-analysis and general methods of behavior therapy, and student presentations on selected clinical topics.

PSYCHOLOGY 770R: Advanced Imaging Practicum  
Berns, Tues 5:00-7:30, PAIS 393  
**Maximum Enrollment:** 4. (Permission required prior to enrollment)  
**Content:** Prior coursework in neuroimaging, especially fMRI, and consent of instructor. This practicum will assume you already know the basics of how fMRI works, how to design a behavioral experiment, and how to do univariate statistics. Because you will be working in the FERN MRI environment, you will also need to have completed safety training. Details and SOPs can be found on the website at [www.fern.emory.edu](http://www.fern.emory.edu).  
**Particulars:** This course will provide a comprehensive and practical introduction to the use of functional magnetic resonance imaging (fMRI). Students will learn and apply the basic physics underlying MRI, the biological principles of fMRI, the principles of experimental design, the processing steps associated with data analysis, and the use of available software packages. Each week's session will be composed of a lecture and laboratory. Where possible, the laboratory topics will be flexible so that students with more experience can explore the issues covered in more detail. Students will design and conduct their own fMRI study.  

Come prepared to each class. The strength of the class depends on everyone coming prepared and actively participating. You may work either individually or in pairs. The graded requirements will be based on completion of five modules:  
1. Definition of the cognitive task.  
2. Task design.  
3. Task implementation.  
4. Data collection.  
5. Analysis.  

**Grading:** If you complete all the modules, you pass!  
IRB: You will be collecting data in human subjects. If you want to use these data in a paper or grant application, you must have IRB approval before studying any subjects.

PSYCHOLOGY 770R: Developmental Psychopathology
Goodman, Wed 1:00 - 3:30, PAIS 493
Maximum Enrollment: 15. (Permission required prior to enrollment)
Content: The primary goal of this course is for students to begin to answer one primary question: How can knowledge of normal development inform our efforts to elucidate the etiology of disorders, to assess and classify child psychopathology, and to develop effective treatments for childhood disorders? We will also be concerned with issues regarding the continuity or discontinuity of disorders from childhood to adulthood.
In this seminar, students consider the relationships between the fields of developmental psychology (the study of normal social, emotional, cognitive development, etc.) and clinical psychology (the studies of psychopathology and behavior change). Developmental psychopathology is a relatively new field and is still emerging. It represents the contributions of principles of normal development to the understanding of the origins and course of individual patterns of adaptation and maladaptation and behavior change.
Graduate students of all aspects of psychology will benefit from this course. Training to become a clinical psychologist will be enhanced by the opportunity to integrate relevant knowledge in cognitive, behavioral, affective, social and biological development, and family relations into issues of clinical concern. Conversely, developmental psychology and neuroscience and animal behavior students will have the opportunity to explore how information on developmental deviances can contribute to understandings of both normal development and psychopathology. Thus students will learn about the normal and abnormal development of specific phenomena (e.g. developmental delays, immature rates of development, the range of individual differences in development of abilities, patterns of adaptation and maladaptation). The seminar will provide theoretical perspectives as well as exposure to relevant research and consideration of clinical issues. A major emphasis will be on studies of risk, competence, and protective factors as basic concepts for the study of developmental psychopathology. I will encourage students to consider the advantages of a perspective that integrates not only developmental and abnormal psychology, but also biological (including genetics, neuropsychology, and neuroendocrinology) and cognitive perspectives. Students will be encouraged to think creatively about the opportunities provided by the developmental psychopathology perspective and the potential research and clinical contributions that may evolve from it.
Particulars: This course is intended for but not limited to graduate students in clinical, cognition and development, and neuroscience and animal behavior, with enrollment priority given to students in clinical. Undergraduate students may also take this course if they have completed all of the following: Adult Abnormal Psychology, Child Psychopathology, Child Development, Lab Methods, and Statistics. Pass/fail only.

PSYCHOLOGY 770R: Diversity
Emory, Mon 12:00-2:30, PAIS 493
Maximum Enrollment: 15. (Permission required prior to enrollment) Particulars: TBA

PSYCHOLOGY 770R: Item Response Theory
Cheong, Tues 9:00-11:30, PAIS 361
Maximum Enrollment: 12. (Permission required prior to enrollment)
Content: We will study item response theory (IRT) as an approach to the construction, analysis, and scoring of psychological measures in this course. We will start with an overview of IRT and its historical
development, followed by a comparison of the principles of IRT and the classical test theory. Then we will study different IRT models for binary and polytomous data and how they are applied in cognitive, developmental, personality, and attitude assessment. The focus of this course is on the conceptual and practical understanding of IRT. We will use various IRT R packages such as ltm, eRm, and lme4 for computing. No previous experience in R is required.

**Particulars:** This class is heavily based on class discussion. There will be five to six homework assignments that involve conceptual questions, data analysis, and article reviews. In addition, students will identify or collect a measurement data set and apply IRT to study their quality and write up the results in a report for the class.

**Pre-requisite:** A course on multiple regression.


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**PSYCHOLOGY 774R: Clinical Research & Training Seminar**

*Craighead, Wed 9:00-10:30, PAIS 280*

**Maximum Enrollment:** None. (Permission required prior to enrollment)

**Content:** This is the ongoing research and training seminar of the clinical psychology graduate program. Topics vary from year to year, but include research presentations by students and faculty and theoretical and research-based discussions of clinical issues. Special topics such as ethics, legal questions, social issues, and problems of special populations are also addressed.

**Texts:** There are no texts, but reading may be assigned in preparation for individual presentations.

**Particulars:** This course is required for all clinical psychology graduate students during each of their first four years in residence. The course is intended for but not limited to students outside of the department of psychology.

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**PSYCHOLOGY 775R: Neuroscience & Animal Behavior Research Seminar**

*Gouzoules, Thurs 4:00-5:30, PAIS 280*

**Maximum Enrollment:** None. (Permission required prior to enrollment)

**Content:** This seminar serves primarily as a way for graduate students and faculty interested in Neuroscience and Animal Behavior to share their research and ideas. Content varies from semester to semester. The course includes presentations by NAB students and faculty as well as occasional visitors from other departments and universities. Issues in ethics will also be covered.

**Particulars:** All graduate students registered for the seminar are expected to present a talk or lead a discussion at least once during the academic year. All student presenters receive detailed feedback on their presentation.

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**PSYCHOLOGY 776R: Cognition and Developmental Issues Seminar**

*Lourenco, Wed 12:00-1:00, PAIS 280*

**Maximum Enrollment:** None. (Permission required prior to enrollment)

**Content:** This course focuses on current findings and theoretical issues in the study of cognition and development.

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**PSYCHOLOGY 797R: Directed Study**

*By Faculty, TBA*

**Maximum Enrollment:** None (Permission required for enrollment)

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**PSYCHOLOGY 799R: Doctoral Dissertation Research By Faculty, TBA**

**Maximum Enrollment:** None (Permission required for enrollment)
PSYCHOLOGY 541: Personality and Psychopathology  
Craighead, W  
Wed 9:30-11:30  
Maximum Enrollment: 15. (Permission required prior to enrollment)  
Content: The focus is on the nature and classification of psychopathology, with a focus on the relation between personality and psychopathology. The course begins with a discussion of theoretical perspectives on psychopathology, followed by a review of the latest research on the major forms of psychiatric disturbance described in the DSM-IV.  
Texts: Reading materials will be original sources, consisting of classic and recent articles from the psychopathology literature.  
Particulars: One exam paper.

PSYCHOLOGY 542: Research Methods in Clinical Psychology  
Brennan  
Tues 4:00-6:30 pm  
Maximum Enrollment: 15. Permission is required prior to enrollment  
Content: This graduate course introduces a variety of research methods and designs used in the field of psychology. Students will interact with faculty from the clinical psychology program and have an opportunity to hear about their current research projects. Critical thinking, conceptualization, and writing skills will be emphasized.  
Particulars: This course is open to first year clinical graduate students and others by permission of the instructor only. All students must register s/u only. Student's laptop use is not allowed in the classroom.

PSYCHOLOGY 548: Assessment I (Psychometrics)  
Abramowitz  
Thurs 12:00-2:30  
Maximum Enrollment: 15. (Permission required prior to enrollment)  
Content: The goal of this course, along with its associated practicum, is to provide a foundation in psychometric theory, a foundation in theories and research relating to intelligence and its measurement, an understanding of the legitimate and ethical purposes of assessment, training and supervision in key assessment instruments, and training in assessment as an integrative process. Assessment of learning problems, from preschool to adult, will be covered.

PSYCHOLOGY 550: Fundamentals of Systems Neuroscience  
Bachevalier and Manns and Rodman  
Tues Thurs 2:30-3:45  
Maximum Enrollment: 15. (Permission required prior to enrollment)  
Content: This course is the first in a sequence of four core classes required of students in the Neuroscience and Animal Behavior graduate program. Topics to be covered include the workings of neurons, fundamentals of vertebrate brain organization and development, sensory systems, motor systems, neural processes of reward and addiction, and the neurobiology of emotion.

PSYCHOLOGY 553: Comparative Perception, Cognition and Learning  
Hampton
Berns  
**Wed 11:30 – 2:15**  
**Maximum Enrollment:** 15. (Permission required prior to enrollment)  
**Content:** This course is an introduction to perception and cognitive neuroscience from the perspectives of psychobiology, comparative cognition, and comparative neuroscience. Areas to be addressed include mechanisms of sensation, object perception, memory, neural plasticity, multimodal integration, spatial cognition, awareness and arousal states, and their development. Primary emphasis will be placed on behavioral, neurophysiological, anatomical, and molecular approaches to the study of nonhuman animals, but work from the human literature will also be used to provide an integrated treatment. Implications for the modularity and evolution of brain systems will also be stressed. The course is intended to be suitable for students in related graduate programs and honors undergraduates as well as NAB students.  
**Texts:** Readings will consist of selected book chapters and journal articles. Grades will be based on written take-home assignments, in-class presentations, and participation in discussion.  
**Particulars:** Lecture and discussion format.

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**PSYCHOLOGY 560: ANOVA – Advanced Statistics**  
McDowell  
**Tues Thurs 10:00 – 11:15**  
**Maximum Enrollment:** 15. (Permission required prior to enrollment)  
**Content:** Provides students with appropriate statistical tools to analyze the data obtained in traditional psychological research involving the manipulations of one or more independent variables. The emphasis is on the Analysis of Variance, which forms the backbone of much of psychological research. Topics include when and how to perform the analysis of variance for one-way designs, for factorial design, and for a variety of repeated measure designs. A second major objective of the course is to learn how to analyze data using SPSS, one of the frequently used computer-based data analysis packages.

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**PSYCHOLOGY 597R: Directed Study**  
By Faculty  
TBA

**PSYCHOLOGY 599R: Master Thesis Research**  
By Faculty  
TBA

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**PSYC 614: Memory**  
Fivush  
Hamann  
**Tues 1:00 - 3:30 p.m.**  
**Maximum Enrollment:** 15 (By permission only)  
**Content:** TBA  
**Particulars:** This class runs on the 1st half of the fall semester only.

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**PSYC 615: Concepts and Language**  
Nygaard  
Wolff  
**Tues 1:00 - 3:30 p.m.**  
**Maximum Enrollment:** 15 (By permission only)
Content: TBA
Particulars: This class runs on the second half of the fall semester only.

PSYCHOLOGY 730R: The Language Group
Nygaard
Mon 10:30 - 11:30
Maximum Enrollment: 15. (Permission required prior to enrollment)
Content: This is a research seminar in which students, faculty, and post-docs discuss their work and recent papers on topics related to language including speech processing, symbolic representation, word learning, non-verbal communication, and categorization from behavioral and neuroscientific, adult and developmental perspectives.

PSYCHOLOGY 730R: Narratives and Identity
Fivush
TBA
Maximum Enrollment: 15. (Permission required prior to enrollment)
Content: TBA. Pass/fail only.

PSYCHOLOGY 730R: T-32: Proseminar in Learning
Hampton
Mon 1:00-2:15
Maximum Enrollment: 12. (Permission required prior to enrollment)
Content: TBA
Particulars: Pass/fail only.

PSYCHOLOGY 730R: Behavioral Neuroendocrinology
Wallen
Tues 4:00-5:30
Maximum Enrollment: 10 (Permission required prior to enrollment)
Content: This seminar will focus on discussion of primary literature and student presentations in the field of behavioral neuroendocrinology.
Texts: Selected readings from scientific journals may be assigned for individual sessions.
Particulars: NAB graduate students interested in behavioral endocrinology and neuroendocrinology are especially encouraged to enroll. Graduate students from other programs are welcome as well. Content will vary from semester to semester and the course can be repeated for credit.

PSYCHOLOGY 730R: Culture and Cognition
Dilks
Rochat
Lourenco
Hamann
Fri 1:00-2:30
Maximum Enrollment: 15. (Permission required prior to enrollment)
Content: Research, reading (the most current, as well as seminar papers), and discussion on group on perception, cognition, and social cognition from infancy to adulthood, examining behavioral, neuroscientific, and cross-cultural data.
PSYCHOLOGY 730R: Big Data and the Mind
Wolff
Thursday 2:30-3:30
Maximum Enrollment: 10. (Permission required prior to enrollment)
Content: TBA.

PSYCHOLOGY 750: Clinical Supervision: Assessment Practicum
Abramowitz
Duke
Messina
McDowell
Snow
Wyner

Maximum Enrollment: 5. (Permission required prior to enrollment)
Content: Supervised clinical work in psychological assessment.

PSYCHOLOGY 750: Clinical Supervision: Therapy Practicum
Abramowitz
Duke
Messina
McDowell
Snow
Wyner

Maximum Enrollment: 5. (Permission required prior to enrollment)
Content: Supervised clinical work in psychological therapy.

PSYCHOLOGY 750: Community Practicum
Messina
Walker
Emory
Particulars: (Permission required prior to enrollment)

PSYCHOLOGY 750L: Assessment Practicum I
Abramowitz
TBA
Particulars: (Permission required prior to enrollment)

PSYCHOLOGY 770R: Item Response Theory
Cheong
Monday 6:00-8:30 pm

Maximum Enrollment: 15. (Permission required prior to enrollment)
Content: We will study item response theory (IRT) as an approach to the construction, analysis, and scoring of psychological measures in this course. We will start with an overview of IRT and its historical development, followed by a comparison of the principles of IRT and the classical test theory. Then we
will study different IRT models for binary and polytomous data and how they are applied in cognitive, developmental, personality, and attitude assessment. The focus of this course is on the conceptual and practical understanding of IRT. We will use various IRT R packages such as Ltm, eRm, and lme4 for computing. No previous experience in R is required.

**Particulars:** This class is heavily based on class discussion. There will be five to six homework assignments that involve conceptual questions, data analysis, and article reviews. In addition, students will identify or collect a measurement data set and apply IRT to study their quality and write up the results in a report for the class.

**Pre-requisite:** A course on multiple regression.


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**PSYCHOLOGY 770R: Data Science in R: Wrangling & Visualization**

Palmer

Monday 9:00-11:30

**Maximum Enrollment:** 15. (Permission required prior to enrollment)

**Content: Why take this course?** – Expert data analysts report that roughly 80% of their time (on average) for a particular project is spent just preparing their data for statistical analysis. The reasons for this lack of readiness include many things, such as: missing data on independent and dependent variables, ambiguity in data values, incorrect variable coding, wild values, data restructuring, + many more. The truth is there is always the possibility of new surprises and new ways in which problems may enter into the data.

This intensive hands-on course will provide students with basic programming skills and experience in using R for data manipulation and visualization. We will start with the basics of installing R and progress up to function development and application, and the use of various packages to solve particular statistical problems. Data used in the class will be simulated or provided.

**Specifics:** Grading for this class is based on 10-12 problem sets, a class project, and an in-class final exam.

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**PSYCHOLOGY 770R: Topical Seminar - Lab credit**

Waldman

TBA

**Maximum Enrollment:** 12. (Permission required prior to enrollment)

**Description:** TBA

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**PSYCHOLOGY 770R: William James Seminar: Psychological Principles, Religious Experience, and Pragmatism (Same as RLPC 710K and EDS 771V)**

Snarey

Tues 2:30-5:00

**Maximum Enrollment:** 5

William James (1842-1910), a giant in American intellectual history, is variously considered to be the founding father of American psychology, the foremost and most American philosopher, and a pioneer in the psychological study of religion in America. This course covers all three faces of James. The seminar begins with a psychological biography; then seminar members will become familiar first-hand with James’s psychology by studying selected chapters from his classic volumes, *Psychology: The Briefer Course* (1892) and *Talks to Teachers on Psychology* (1899). Similar attention will be given to James’s philosophical pragmatism by reading essays from his classic volumes, especially *Pragmatism* (1907) and
A Pluralistic Universe (1909). Building on this biographical-psychological-philosophical foundation, the primary section of the seminar involves a close reading of James’s The Varieties of Religious Experience (1902), which is often regarded as the greatest classic in the psychological study of religion. Critiques of James will be introduced throughout the course, but we will conclude the semester with an overview of critical essays written by James’s detractors and assess what we may have missed, and what they may have missed.

PSYCHOLOGY 770R: Data Science in R: Wrangling & Visualization Palmer Monday 9:00-11:30
Maximum Enrollment: 15. (Permission required prior to enrollment)
Content: TBA.

PSYCHOLOGY 774R: Clinical Research & Training Seminar
Craighead
Content: This is the ongoing research and training seminar of the clinical psychology graduate program. Topics vary from year to year, but include research presentations by students and faculty and theoretical and research-based discussions of clinical issues. Special topics such as ethics, legal questions, social issues, and problems of special populations are also addressed.
Texts: There are no texts, but reading may be assigned in preparation for individual presentations.
Particulars: This course is required for all clinical psychology graduate students during each of their first four years in residence. The course is not open to students outside of the department of psychology.

PSYCHOLOGY 775R: Neuroscience & Animal Behavior Research Seminar
Gouzoules
Thurs 4:00 –5:30
Content: This seminar serves primarily as a way for graduate students and faculty interested in Neuroscience and Animal Behavior to share their research and ideas. Content varies from semester to semester. The course includes presentations by NAB students and faculty as well as occasional visitors from other departments and universities. Issues in ethics will also be covered.
Particulars: All graduate students registered for the seminar are expected to present a talk or lead a discussion at least once during the academic year. All student presenters receive detailed feedback on their presentation.

PSYCHOLOGY 776R: Cognition and Developmental Issues Seminar
Lourenco
Wed 12:00-1:00
Content: This course focuses on current findings and theoretical issues in the study of cognition and development.

PSYCHOLOGY 797R: Directed Study
By Faculty
TBA

PSYCHOLOGY 799R: Doctoral Dissertation Research
By Faculty
TBA
Spring 2018

PSYCHOLOGY 546: Intervention I: Theories of Psychotherapy
Craighead, Wed 9:30-12:00, PAIS 393
**Maximum Enrollment:** 15. (Permission required prior to enrollment)
**Content:** Introduction to the theory and practice of individual psychotherapy including psychoanalytic, humanistic, cognitive, and behavioral approaches. Examples of applications to both childhood and adult problems are included in this course
**Particulars:** Enrollment is open to graduate students and Emory College senior honors students.

PSYCHOLOGY 549: Assessment II: Personality & Psychopathology
Lilienfeld, Tues 9:00-11:30, PAIS 494
**Maximum Enrollment:** 8. (Permission required prior to enrollment)
**Content:** This course will cover both theoretical and applied issues in personality assessment. Special emphasis will be placed on clinical judgment and prediction, the research literature on personality assessment and on structured personality tests (particularly the MMPI-2) and structured psychiatric interviews, as well as on both the strengths and limitations of clinical judgment and prediction.
**Particulars:** One midterm and a final exam; periodic homework assignments.

PSYCHOLOGY 561: Multiple Regressions and the General Linear Model
Waldman, Tues 1:00 - 4:00, PAIS 361
**Maximum Enrollment:** 12. (Permission required prior to enrollment)
**Content:** In this course we will examine multiple regression analysis and the general linear model as a comprehensive statistical analytical framework, including a mix of theoretical, conceptual and "hands-on" approaches. We will begin with basic statistical concepts and their assumptions and then explore some useful graphical statistical methods, the relation of regression to ANOVA, model adequacy and regression diagnostics, and models containing additive, interactive, curvilinear, and indirect effects. Time permitting, we will also examine analyses of categorical and of multiple dependent variables.
**Texts:** Selected articles and chapters, and text(s) TBA.
**Particulars:** By consent of instructor only. There will be four or five assignments integrating statistical analyses on computer with concepts learned in class, as well as two exams to test students' knowledge of the material covered.
**Prerequisite:** Advanced Statistics (PSYC 560).

PSYCHOLOGY 580: History of Modern Psychology
Duke, TBA
**Maximum Enrollment:** 20. (Permission required prior to enrollment)
**Particulars:** Graduate students only.

PSYCHOLOGY 597R: Directed Study
By Faculty TBA
**Particulars:** Graduate students only. (Permission required prior to enrollment)
PSYCHOLOGY 599R: Master Thesis Research
By Faculty TBA
Particulars: Graduate students only. (Permission required prior to enrollment)

PSYCHOLOGY 730R: Special Topics Research Group
"T-32 Mechanisms of Learning"
Hampton, Mon 1:00-2:15, PAIS 393
Maximum Enrollment: 15. (Permission required prior to enrollment)
Particulars: Pass/fail only.

PSYCHOLOGY 730R: Special Topics Research Group
"The Language Group"
Nygaard, Mon 10:00 - 12:30, PAIS 393
Maximum Enrollment: 15. (Permission required prior to enrollment)
Particulars: Pass/fail only.

PSYCHOLOGY 730R: Special Topics Research Group
"Narratives and Identity"
Fivush, TBA
Maximum Enrollment: 15. (Permission required prior to enrollment)
Particulars: Pass/fail only.

PSYCHOLOGY 730R: Special Topics Research Group
"Episodic & Semantic Memory"
Bauer, TBA
Maximum Enrollment: 15. (Permission required prior to enrollment)
Particulars: Pass/fail only.

PSYCHOLOGY 730R: Special Topics Research Group
"Culture and Cognition"
Dilks, Hamann, Lourenco, & Rochat
Fri 1:00-2:30, PAIS 493
Maximum Enrollment: 15. (Permission required prior to enrollment)
Content: Research, reading, and discussion group on cognition and social cognition from a cross-cultural and comparative perspective.
Particulars: Pass/fail only.

PSYCHOLOGY 730R: Special Topics Research Group
"Behavioral Neuroendocrinology"
Wallen, Tues 4:00-5:15, PAIS 494
Maximum Enrollment: 10 (Permission required prior to enrollment)
Content: This seminar will focus on discussion of primary literature and student presentations in the field of behavioral neuroendocrinology.
Texts: Selected readings from scientific journals may be assigned for individual sessions.
Particulars: NAB graduate students interested in behavioral endocrinology and neuroendocrinology are especially encouraged to enroll. Graduate students from other programs are welcome as well. Content will vary from semester to semester and the course can be repeated for credit. Pass/fail only.
PSYCHOLOGY 730R: Special Topics Research Group
"Big Data and the Mind"
Wolff, Thurs 2:30 - 3:30, PAIS 493

**Maximum Enrollment:** 10. (Permission required prior to enrollment)
**Particulars:** Pass/fail only.

PSYCHOLOGY 750R: Clinical Practicum/Supervision
"Assessment Practicum"
Abramowitz, Emory, McDowell, Messina, Snow & Wyner
TBA

**Maximum Enrollment:** 5. (Permission required prior to enrollment)
**Content:** Supervised clinical work in assessment and treatment of clients.

PSYCHOLOGY 750R: Clinical Practicum/Supervision
"Intervention"
Abramowitz, Duke, McDowell, Messina, Snow, Walker & Wyner
TBA

**Maximum Enrollment:** TBA. (Permission required prior to enrollment)
**Content:** Supervised clinical work in therapy and treatment of clients.

PSYCHOLOGY 750: Clinical Practicum/Supervision
"Practicum in Evidence-Based Treatment for Children"
Abramowitz, TBA

**Maximum Enrollment:** 10. (Permission required prior to enrollment)
**Content:** TBA.

PSYCHOLOGY 750: Clinical Practicum/Supervision
"Biofeedback/Stress Management Techniques"
Wyner, TBA

**Maximum Enrollment:** 10
**Particulars:** Must be a graduate student in clinical psychology.

PSYCHOLOGY 750: Clinical Practicum/Supervision
"Community Practicum"
Messina, TBA

**Maximum Enrollment:** 10. (Permission required prior to enrollment)

PSYCHOLOGY 750: Clinical Practicum/Supervision
"Community Practicum"
Walker, TBA

**Maximum Enrollment:** 10. (Permission required prior to enrollment)

PSYCHOLOGY 760: Teaching Practicum
"Pedadogy"
Bauer, Wed 1:30-4:00, PAIS 280
**Maximum Enrollment:** 20. (Permission required prior to enrollment)

**Content:** This course focuses on strategies for teaching undergraduate courses in psychology. Topics include setting teaching goals and objectives, preparing a syllabus, choosing required reading, preparing lectures, exams and grading, leading class discussions, active learning strategies, the use of new teaching technologies on the internet and in the classroom, and legal and ethical issues. Current literature on teaching effectiveness is reviewed. Several in-class exercises and outside projects provide students opportunities to develop their teaching abilities.

**Particulars:** This course is required for graduate students assigned as teaching assistants for PSYC 200WR and QTM 100 during the academic year.

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**PSYCHOLOGY 770R: Topical Seminars: Psych**
"Learning Through Productive Processes"
Bauer, Thurs 10:00-12:30, PAIS 494

**Maximum Enrollment:** 12. (Permission required prior to enrollment)

**Particulars:** In this seminar, participants will read theoretical and empirical literatures concerning a range of cognitive processes that allow individuals to extend their knowledge beyond what is explicitly given, to self-derive new knowledge and understandings. We will cover a range of such processes, including inference (deductive, inductive, transitive), analogy, and memory integration. The seminar will feature work from both the adult cognitive and developmental literatures. The primary emphasis will be on human behavior, through as they inform specific topics, we also will delve into comparative, computational and other modeling, and neuroimaging approaches. Participants will be expected to read the assigned literature, contribute to class discussions, and sometimes serve as discussion leaders.

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**PSYCHOLOGY 770R: Topical Seminars: Psych**
"Advanced Imaging Practicum"
Berns, Tues 4:00-6:30, PAIS 393

**Maximum Enrollment:** 4. (Permission required prior to enrollment)

**Content:** Prior coursework in neuroimaging, especially fMRI, and consent of instructor. This practicum will assume you already know the basics of how fMRI works, how to design a behavioral experiment, and how to do univariate statistics. Because you will be working in the FERN MRI environment, you will also need to have completed safety training. Details and SOPs can be found on the website at www.fern.emory.edu.

**Particulars:** This course will provide a comprehensive and practical introduction to the use of functional magnetic resonance imaging (fMRI). Students will learn and apply the basic physics underlying MRI, the biological principles of fMRI, the principles of experimental design, the processing steps associated with data analysis, and the use of available software packages. Each week’s session will be composed of a lecture and laboratory. Where possible, the laboratory topics will be flexible so that students with more experience can explore the issues covered in more detail. Students will design and conduct their own fMRI study.

Come prepared to each class. The strength of the class depends on everyone coming prepared and actively participating. You may work either individually or in pairs. The graded requirements will be based on completion of five modules: 1. Definition of the cognitive task. 2. Task design. 3. Task implementation. 4. Data collection. 5. Analysis.

**Grading:** If you complete all the modules, you pass!

IRB: You will be collecting data in human subjects. If you want to use these data in a paper or grant application, you must have IRB approval before studying any subjects.

**PSYCHOLOGY 770R: Topical Seminars: Psych**
"Advanced Statistics and Research Methods"
Chen, Fri 9:00 - 11:30, PAIS 361
**Maximum Enrollment: 15.** (Permission required prior to enrollment)
**Content:** TBA

**PSYCHOLOGY 770R: Topical Seminars: Psych**
"Cognition and Autobiographical Memory"
Fivush, TBA
**Maximum Enrollment: 15.** (Permission required prior to enrollment)
**Particulars:** TBA

**PSYCHOLOGY 770R: Topical Seminars: Psych**
"Psychiatric Interviewing Seminar"
Lilienfeld, Wed 3:00 - 5:30, PAIS 494
**Maximum Enrollment: 8.** (Permission required prior to enrollment)
**Particulars:** TBA

**PSYCHOLOGY 770R: Topical Seminars: Psych**
"Neurobiology and Applications of Sleep and Circadian Rhythms"
Rodman, Fri 9:00 - 11:30, PAIS 494
**Maximum Enrollment: 12.** (Permission required prior to enrollment)
**Description:** This is a seminar course which will approach the biological basis of sleep and sleep timing in a multidisciplinary fashion suitable for graduate students in psychology and related disciplines. Data from the primary literature will be considered in light of their potential for application to both research and clinical domains. Material addressed will include neural and hormonal mechanisms, animal models, evolutionary considerations, implications of normal patterns and perturbations of sleep and circadian function, and cross-cultural findings. Format will be primarily discussion and student presentation of original research literature, augmented by some lecture material as needed. Students will also have opportunities to keep and reflect on a sleep log, to explore practical approaches to measuring sleep with wearable technology, and to examine brain tissue to build a three-dimensional understanding of the neural networks governing sleep and circadian rhythms across species.

**PSYCHOLOGY 770R: Topical Seminars: Psych**
"Data Mining the Mind"
Wolff, Mon 9:00 - 11:30, PAIS 361
**Maximum Enrollment: 15.** (Permission required prior to enrollment)
**Content:** Through the constant use of electronic resources and mobile devices, we are generating enormous amounts of data, which are now analyzable through a special class of computational techniques known as machine learning and natural language processing (NLP). Big data has already led to breakthroughs in science, including the unlocking of the human genome and discoveries in particle physics. The goal of this class is to investigate how Big Data methods might be applied to the study of the mind and social behavior. To this end, the class will include three major components.
First, the class will provide training in programming in Python, the language offering the most support for machine learning and NLP techniques.

Second, the class will review prominent methods used in Big Data analyses, such as clustering (k-means, gmeans, SVM); techniques that can be applied to very large corpora (e.g., syntactic parsing, named entity recognition, and regular expression pattern matching); image analysis (e.g., handwriting recognition, object recognition); and various types of automated learning (word2vec, LDA, Deep Learning). Emphasis will be placed on not only gaining an intuitive understanding of these techniques, but also on using these techniques on actual data sets.

Finally, the course will examine potential implications of Big Data for theory for cognitive science. As noted in a recent paper, "theory will always get blown away by data." While the science of the mind can't be reduced to technology, the emergence of Big Data is likely to lead to wholly new insights about the nature of the mind in illness and in health. The course is intended for but not limited to students outside of the department of psychology.

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**PSYCHOLOGY 775R: Neuroscience & Animal Behavior Research Seminar**
Edwards, Thurs 4:00 – 5:30, PAIS 280

**Maximum Enrollment:** None. (Permission required prior to enrollment)

**Content:** This seminar serves primarily as a way for graduate students and faculty interested in Neuroscience and Animal Behavior to share their research and ideas. Content varies from semester to semester. The course includes presentations by NAB students and faculty as well as occasional visitors from other departments and universities. Issues in ethics will also be covered.

**Particulars:** All graduate students registered for the seminar are expected to present a talk or lead a discussion at least once during the academic year. All student presenters receive detailed feedback on their presentation.

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**PSYCHOLOGY 776R: Cognition and Developmental Issues Seminar**
Wolff, Wed 12:00–1:00, PAIS 280

**Maximum Enrollment:** None. (Permission required prior to enrollment)

**Content:** This course focuses on current findings and theoretical issues in the study of cognition and development.

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**PSYCHOLOGY 797R: Directed Study**
By Faculty, TBA

**Maximum Enrollment:** None (Permission required for enrollment)

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**PSYCHOLOGY 799R: Doctoral Dissertation Research**
By Faculty, TBA

**Maximum Enrollment:** None (Permission required for enrollment)
**FALL 2018**

**PSYCHOLOGY 541: Personality and Psychopathology**  
*Craighead, Edward*  
W 9:30 - 12:00  
**Maximum Enrollment:** 15. (Permission required prior to enrollment)  
**Content:** The focus is on the nature and classification of psychopathology, with a focus on the relation between personality and psychopathology. The course begins with a discussion of theoretical perspectives on psychopathology, followed by a review of the latest research on the major forms of psychiatric disturbance described in the DSM-IV.  
**Texts:** Reading materials will be original sources, consisting of classic and recent articles from the psychopathology literature.  
**Particulars:** One exam paper.

**PSYCHOLOGY 542: Research Methods in Clinical Psychology**  
*Brennan, Patricia*  
Tues 4:00-6:30 pm  
**Maximum Enrollment:** 15. Permission is required prior to enrollment  
**Content:** This graduate course introduces a variety of research methods and designs used in the field of psychology. Students will interact with faculty from the clinical psychology program and have an opportunity to hear about their current research projects. Critical thinking, conceptualization, and writing skills will be emphasized.  
**Particulars:** This course is open to first year clinical graduate students and others by permission of the instructor only. All students must register s/u only. Student’s laptop use is not allowed in the classroom.

**PSYCHOLOGY 548: Assessment I (Psychometrics)**  
*Abramowitz, Ann*  
Thurs 12:00-2:30  
**Maximum Enrollment:** 15. (Permission required prior to enrollment)  
**Content:** The goal of this course, along with its associated practicum, is to provide a foundation in psychometric theory, a foundation in theories and research relating to intelligence and its measurement, an understanding of the legitimate and ethical purposes of assessment, training and supervision in key assessment instruments, and training in assessment as an integrative process. Assessment of learning problems, from preschool to adult, will be covered.

**PSYCHOLOGY 550: Fundamentals of Systems Neuroscience**  
*Bachevalier, Jocelyne*  
*Manns, Joseph*  
*Rodman, Hillary*  
Tues Thurs 2:30-3:45  
**Maximum Enrollment:** 15. (Permission required prior to enrollment)  
**Content:** This course is the first in a sequence of four core classes required of students in the Neuroscience and Animal Behavior graduate program. Topics to be covered include the workings of neurons, fundamentals of vertebrate brain organization and development, sensory systems, motor systems, neural processes of reward and addiction, and the neurobiology of emotion.
PSYCHOLOGY 560: ANOVA – Advanced Statistics  
*McDowell, Jack*  
Tues Thurs 10:00 – 11:15  
**Maximum Enrollment:** 15. (Permission required prior to enrollment)  
**Content:** Provides students with appropriate statistical tools to analyze the data obtained in traditional psychological research involving the manipulations of one or more independent variables. The emphasis is on the Analysis of Variance, which forms the backbone of much of psychological research. Topics include when and how to perform the analysis of variance for one-way designs, for factorial design, and for a variety of repeated measure designs. A second major objective of the course is to learn how to analyze data using SPSS, one of the frequently used computer-based data analysis packages.

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PSYCHOLOGY 597R: Directed Study  
*By Faculty*  
TBA

PSYCHOLOGY 599R: Master Thesis Research  
*By Faculty*  
TBA

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PSYC 611: Cognitive Theory & Methods (*C&D Module: runs 2nd half of the semester*)  
*Wolff, Phillip*  
*Dilks, Daniel*  
Tues 11:30 - 2:15 p.m.  
**Maximum Enrollment:** 15 (By permission only)  
**Content:** TBA  
**Particulars:** This class runs on the second half of the fall semester only.

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PSYC 616: Social Cognition & Emotion (*C&D Module: runs 1st half of the semester*)  
*Fivush, Robyn*  
*Hamann, Stephan*  
Tues 11:30 - 2:15 p.m  
**Maximum Enrollment:** 15 (By permission only)  
**Content:** TBA  
**Particulars:** This class runs on the first half of the fall semester only.

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PSYC 720: Behavioral Effects of Drugs  
*Palmer, Rohan*  
Mon Wed 1:00 - 2:15  
**Maximum Enrollment:** 5 (By permission only)  
**Content:** TBA  
**Particulars:** This class will meet in PAIS 290.

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PSYCHOLOGY 730R: The Language Group  
*Nygaard, Lynne*  
Mon 10:00 - 11:30  
**Maximum Enrollment:** 15. (Permission required prior to enrollment)  
**Content:** This is a research seminar in which students, faculty, and post-docs discuss their work and recent papers on topics related to language including speech processing, symbolic representation, word
learning, non-verbal communication, and categorization from behavioral and neuroscientific, adult and developmental perspectives.

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**PSYCHOLOGY 730R: Proseminar in Learning**  
*Hampton, Robert*  
*Bauer, Patricia*  
*Mon 1:00-2:15*  
**Maximum Enrollment:** 12. (Permission required prior to enrollment)

**Content:** TBA  
**Particulars:** Pass/fail only.

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**PSYCHOLOGY 730R: Behavioral Neuroendocrinology**  
*Wallen, Kim*  
*Tues 4:00-5:30*  
**Maximum Enrollment:** 10 (Permission required prior to enrollment)  
**Content:** This seminar will focus on discussion of primary literature and student presentations in the field of behavioral neuroendocrinology.  
**Texts:** Selected readings from scientific journals may be assigned for individual sessions.  
**Particulars:** NAB graduate students interested in behavioral endocrinology and neuroendocrinology are especially encouraged to enroll. Graduate students from other programs are welcome as well. Content will vary from semester to semester and the course can be repeated for credit.

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**PSYCHOLOGY 730R: Culture and Cognition**  
*Dilks, Daniel*  
*Rochat, Philippe*  
*Lourenco, Stella*  
*Hamann, Stephann*  
*Fri 1:00-2:30*  
**Maximum Enrollment:** 15. (Permission required prior to enrollment)  
**Content:** Research, reading (the most current, as well as seminar papers), and discussion on group on perception, cognition, and social cognition from infancy to adulthood, examining behavioral, neuroscientific, and cross-cultural data.

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**PSYCHOLOGY 750: Clinical Supervision: Assessment Practicum**  
*Abramowitz, Ann*  
*Messina, Cynthia*  
*Snow, Steve*  
*Wyner, Dayna*  
**Maximum Enrollment:** 5. (Permission required prior to enrollment)  
**Content:** Supervised clinical work in psychological assessment.

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**PSYCHOLOGY 750: Clinical Supervision: Therapy Practicum**  
*Abramowitz, Ann*  
*Duke, Marshall*  
*Messina, Cynthia*
McDowell, Jack
Snow, Snow
Walker, Elaine
Wyner, Dayna

**Maximum Enrollment:** 5. (Permission required prior to enrollment)

**Content:** Supervised clinical work in psychological therapy.

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**PSYCHOLOGY 750: Community Practicum**

Messina, Cynthia
Walker, Elaine

**Particulars:** (Permission required prior to enrollment)

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**PSYCHOLOGY 750L: Assessment I (Part I, Lab)**

Wyner, Dayna

Fri 9:00-12:00

**Particulars:** (Permission required prior to enrollment)

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**PSYCHOLOGY 770N: Behavior Therapy**

McDowell, Jack

Thurs 1:00-3:30

**Maximum Enrollment:** 20. (Permission required prior to enrollment)

**Content:** The topic of this course is the application of basic behavior-analytic research to the clinical problems of children and adults. It will consist of lectures on basic behavior-analysis and general methods of behavior therapy, and student presentations on selected clinical topics.

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**PSYCHOLOGY 770R: Scale Development Theory and Applications**

Cheong, Yuk Fai

Monday 9:30 - 12:00

**Maximum Enrollment:** 15. (Permission required prior to enrollment)

This seminar provides an introduction to statistical methods and procedures used in validating constructs and measures assessed using instruments such as scales, questionnaires, checklists, and observer ratings. Valid inferences drawn from the measurement data are vital to sound theory development and testing, clinical practice and assessment, research, and impact evaluation. Major topics of the seminar include guidelines in instrument development, factor analysis in scale construction, and an introduction to item response theory. We will use the software program SPSS, psychometric packages written in R, and Mplus in the seminar. The prerequisite for this seminar is a course on multiple regression.

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**PSYCHOLOGY 770R: Multilevel Modeling Theory and Applications**

Cheong, Yuk Fai

Tuesday 9:30 - 12:00

**Maximum Enrollment:** 15. (Permission required prior to enrollment)
This seminar provides an introduction to multilevel modeling. Multilevel models, also known as mixed, hierarchical, and random-effects models, provide a conceptual framework and an analytic option for working with clustered/nested data. They allow researchers to study different sources of variation in the outcomes, and the effects of predictors at different and across levels. Major topics of the seminar include two- and three-level regression models; estimation, hypothesis testing, important methodological and statistical issues in multilevel modeling; analysis of longitudinal data; multilevel generalized linear models for dichotomous data; the multilevel approach to meta-analysis; and sample sizes and power analysis in multilevel models. We will use the software programs HLM7, the lmer4 R and the WinBUG packages, and SPSS in the seminar. The prerequisite for this seminar is a course on multiple regression.

**PSYCHOLOGY 770R: Topical Seminars: Data Mining the Mind**

*Wolff, Phillip*

*Mon 9:00 - 11:30*

**Maximum Enrollment:** 15. (Permission required prior to enrollment)

**Content:** Through the constant use of electronic resources and mobile devices, we are generating enormous amounts of data, which are now analyzable through a special class of computational techniques known as machine learning and natural language processing (NLP). Big data has already led to breakthroughs in science, including the unlocking of the human genome and discoveries in particle physics. The goal of this class is to investigate how Big Data methods might be applied to the study of the mind and social behavior. To this end, the class will include three major components.

- First, the class will provide training in programming in Python, the language offering the most support for machine learning and NLP techniques.
- Second, the class will review prominent methods used in Big Data analyses, such clustering (k-means, gmeans, SVM); techniques that can be applied to very large corpora (e.g., syntatic parsing, named entity recognition, and regular expression pattern matching); image analysis (e.g., handwriting recognition, object recognition); and various types of automated learning (word2vec, LDA, Deep Learning). Emphasis will be placed on not only gaining an intuitive understanding of these techniques, but also on use these techniques on actual data sets.
- Finally, the course will examine potential implications of Big Data for theory for cognitive science. As noted in a recent paper, “theory will always get blown away by data.” While the science of the mind can’t be reduced to technology, the emergence of Big Data is likely to lead to wholly new insights about the nature of the mind in illness and in health. The course is intended for but not limited to students outside of the department of psychology.

**PSYCHOLOGY 770R: William James Seminar: Psychological Principles, Religious Experience, and Pragmatism (Same as RLPC 710K and EDS 771V)**

*Snarey, John*

*Tues 2:30-5:00*

**Maximum Enrollment:** 5

William James (1842-1910), a giant in American intellectual history, is variously considered to be the founding father of American psychology, the foremost and most American philosopher, and a pioneer in the psychological study of religion in America. This course embraces all three faces of James. The seminar begins with a psychological biography; then seminar members will become familiar first-hand with James’s psychology by studying selected chapters from his classic volumes, *Psychology: The Briefer Course* (1892) and *Talks to Teachers on Psychology* (1899). Similar attention will be given to James’s philosophical pragmatism by reading essays from his classic volumes, especially *Pragmatism* (1907) and *A Pluralistic Universe* (1909). Building on this biographical-psychological-philosophical foundation, the
primary section of the seminar involves a close reading of James’s *The Varieties of Religious Experience* (1902), which is often regarded as the greatest classic in the psychological study of religion. Critiques of James will be introduced throughout the course, but we will conclude the semester with an overview of critical essays written by James’s detractors and assess what we may have missed, and what they may have missed.

**PSYCHOLOGY 775R: Neuroscience & Animal Behavior Research Seminar**  
*Edwards, David*  
Thurs 4:00 –5:30  
**Content:** This seminar serves primarily as a way for graduate students and faculty interested in Neuroscience and Animal Behavior to share their research and ideas. Content varies from semester to semester. The course includes presentations by NAB students and faculty as well as occasional visitors from other departments and universities. Issues in ethics will also be covered.  
**Particulars:** All graduate students registered for the seminar are expected to present a talk or lead a discussion at least once during the academic year. All student presenters receive detailed feedback on their presentation.

**PSYCHOLOGY 776R: Cognition and Developmental Issues Seminar**  
*Wolff, Phillip*  
Wed 12:00-1:00  
**Content:** This course focuses on current findings and theoretical issues in the study of cognition and development.

**PSYCHOLOGY 797R: Directed Study**  
By Faculty  
TBA

**PSYCHOLOGY 799R: Doctoral Dissertation Research**  
By Faculty  
TBA
Spring 2019 Graduate Course Listings

PSYCHOLOGY 546: Intervention I: Theories of Psychotherapy
Craighead, Thurs 9:30-12:00, PAIS 494
**Maximum Enrollment:** 12. (Permission required prior to enrollment)
**Content:** Introduction to the theory and practice of individual psychotherapy including psychoanalytic, humanistic, cognitive, and behavioral approaches. Examples of applications to both childhood and adult problems are included in this course.
**Particulars:** Enrollment is open to graduate students and Emory College senior honors students.

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PSYCHOLOGY 549: Assessment II: Personality & Psychopathology
Lilienfeld, Tues 9:00-11:30, PAIS 393
**Maximum Enrollment:** 8. (Permission required prior to enrollment)
**Content:** This course will cover both theoretical and applied issues in personality assessment. Special emphasis will be placed on clinical judgment and prediction, the research literature on personality assessment and on structured personality tests (particularly the MMPI-2) and structured psychiatric interviews, as well as on both the strengths and limitations of clinical judgment and prediction.
**Particulars:** One midterm and a final exam; periodic homework assignments.

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PSYCHOLOGY 551: Neurobiology of Cognition and Motivated Behavior
Edwards
Neill
Wallen
Tues Thurs 10:00-11:15, PAIS 493
**Maximum Enrollment:** 15
**Content:** This course is part of a core series of course required of graduate students in the Psychology Department’s Neuroscience and Animal Behavior Doctoral Program. We welcome students from outside (NAB/Psychology), and the course can be taken out of sequence or without taking the other course in the series. Topics this year include sexual differentiation, the hormonal activation of social behavior, hormone actions on the brain and spinal cord, the neurobiology of thirst, the role of activation in motivated behavior, and a detailed treatment of how learning and memory are represented in the organization of the brain.

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PSYCHOLOGY 561: Multiple Regressions and the General Linear Model
Waldman, Tues 1:00 - 3:30, PAIS 361
**Maximum Enrollment:** 12. (Permission required prior to enrollment)
**Content:** In this course we will examine multiple regression analysis and the general linear model as a comprehensive statistical analytical framework, including a mix of theoretical, conceptual and "hands-on" approaches. We will begin with basic statistical concepts and their assumptions and then explore some useful graphical statistical methods, the relation of regression to ANOVA, model adequacy and regression diagnostics, and models containing additive, interactive, curvilinear, and indirect effects. Time permitting, we will also examine analyses of categorical and of multiple dependent variables.
**Texts:** Selected articles and chapters, and text(s) TBA.
**Particulars:** By consent of instructor only. There will be four or five assignments integrating statistical analyses on computer with concepts learned in class, as well as two exams to test students' knowledge of the material covered.

**Prerequisite:** Advanced Statistics (PSYC 560).

**PSYCHOLOGY 597R:** Directed Study  
By Faculty TBA  
**Particulars:** Graduate students only. (Permission required prior to enrollment)

**PSYCHOLOGY 599R:** Master Thesis Research  
By Faculty TBA  
**Particulars:** Graduate students only. (Permission required prior to enrollment)

**PSYCHOLOGY 610:** Developmental Theory and Methods  
(*this class runs 1st half of the semester*)  
Lourenco Rochat  
Wed 9:30-12:00, PAIS 493  
**Particulars:** Graduate students only. (Permission required prior to enrollment)

**PSYCHOLOGY 612:** Perception & Attention  
(*this class runs 2nd half of the semester*)  
Dilks Rochat  
Wed 9:30-12:00, PAIS 493  
**Particulars:** Graduate students only. (Permission required prior to enrollment)

**PSYCHOLOGY 720:** Behavioral Effects of Drugs  
Palmer, Wed 10:00-12:30, PAIS 220  
**Maximum Enrollment:** 20. Graduate students only. Others, Instructor's permission is required.  
**Content:** This graduate/advanced undergraduate course will be an adventure combining lecture and seminar formats of teaching. You are all advanced students who have exhibited an interest in tackling some challenging, but very fascinating material on addiction. Our challenge over the next couple of weeks is to work together to make this a terrific learning experience for all. That said, this will not be your typical lecture sequence. We (Drs. Palmer and Neill) will not always be standing in front of the class, having chosen, culled and organized material that will be available to you. Although we have pre-selected the material you will be reading, we will also be also reading it with you while proving guidance about how to read the material. You will have the opportunity to suggest ideas or interpretations of the readings or bring in ideas from the articles listed.

**Particulars:** Course readings will focus on three major themes: The Pharmacology of Drug Action → Determinants of Substance Use Disorders → Psychopathology, Drugs, & Comorbidity.

At the end of this course you will be able to:

- Describe the neurobiological mechanisms of reward and how it pertains to substance abuse.
- Describe the various causes of behavior, particularly addiction (psychosocial & biological).
- Describe the addictive process and its generalizability to various drugs (alcohol, tobacco, marijuana, cocaine/crack, heroin, and other substances).
• Clinically define addiction.
• Identify behavioral correlates describe and critique the models of primary prevention, treatment, and

**PSYCHOLOGY 730R: Special Topics Research Group**
"The Language Group"
Nygaard, Mon 10:00 - 11:30, PAIS 393
**Maximum Enrollment:** 15. (Permission required prior to enrollment)
**Particulars:** Pass/fail only.

**PSYCHOLOGY 730R: Special Topics Research Group**
"Proseminar in Learning"
Hampton & Bauer, Mon 1:00-2:15, PAIS 393

Maximum Enrollment: 12. (Permission required prior to enrollment)

**Content:** TBA

**Particulars:** Pass/fail only.

**PSYCHOLOGY 730R: Special Topics Research Group**
"Culture and Cognition"
Dilks, Hamann, Lourenco, & Rochat, Fri 1:00-2:30, PAIS 493
**Maximum Enrollment:** 15. (Permission required prior to enrollment)
**Content:** Research, reading, and discussion group on cognition and social cognition from a cross-cultural and comparative perspective.
**Particulars:** Pass/fail only.

**PSYCHOLOGY 730R: Special Topics Research Group**
"Behavioral Neuroendocrinology"
Wallen, Tues 4:00-5:30, PAIS 493
**Maximum Enrollment:** 10 (Permission required prior to enrollment)
**Content:** This seminar will focus on discussion of primary literature and student presentations in the field of behavioral neuroendocrinology.
**Texts:** Selected readings from scientific journals may be assigned for individual sessions.
**Particulars:** NAB graduate students interested in behavioral endocrinology and neuroendocrinology are especially encouraged to enroll. Graduate students from other programs are welcome as well. Content will vary from semester to semester and the course can be repeated for credit. Pass/fail only.

**PSYCHOLOGY 750H: Clinical Practicum**
"Intervention I Lab"
Craighead, Thurs 2:00 - 5:00, PAIS 494

**Maximum Enrollment:** 10. (Permission required prior to enrollment)
**Particulars:** This is a lab portion of Psyc 546: Intervention I. This practicum is a fixed one-credit.

**PSYCHOLOGY 750R: Clinical Practicum/Supervision**
"Assessment Practicum"
Abramowitz, Messina & Snow
TBA

**Maximum Enrollment:** 5. (Permission required prior to enrollment)

**Content:** Supervised clinical work in assessment and treatment of clients.

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**PSYCHOLOGY 750R: Clinical Practicum/Supervision**
"*Intervention*

Abramowitz, McDowell, Messina, Snow, Craighead & Wyner
TBA

**Maximum Enrollment:** TBA. (Permission required prior to enrollment)

**Content:** Supervised clinical work in therapy and treatment of clients.

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**PSYCHOLOGY 750: Clinical Practicum/Supervision**
"*Practicum in Evidence-Based Treatment for Children*

Abramowitz, TBA

**Maximum Enrollment:** 10. (Permission required prior to enrollment)

**Content:** TBA.

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**PSYCHOLOGY 750: Clinical Practicum/Supervision**
"*Biofeedback/Stress Management Techniques*

Wyner, TBA

**Maximum Enrollment:** 10

**Particulars:** Must be a graduate student in clinical psychology.

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**PSYCHOLOGY 750: Clinical Practicum/Supervision**
"*Community Practicum*

Messina, TBA

**Maximum Enrollment:** 10. (Permission required prior to enrollment)

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**PSYCHOLOGY 750: Clinical Practicum/Supervision**
"*Community Practicum*

Walker, TBA

**Maximum Enrollment:** 10. (Permission required prior to enrollment)

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**PSYCHOLOGY 760: Teaching Practicum**
"*Pedagogy*

Duke, Mon 9:00-11:30, PAIS 493

**Maximum Enrollment:** 20. (Permission required prior to enrollment)

**Content:** This course focuses on strategies for teaching undergraduate courses in psychology. Topics include setting teaching goals and objectives, preparing a syllabus, choosing required reading, preparing lectures, exams and grading, leading class discussions, active learning strategies, the use of new teaching technologies on the internet and in the classroom, and legal and ethical issues. Current literature on teaching effectiveness is reviewed. Several in-class exercises and outside projects provide students opportunities to develop their teaching abilities.

**Particulars:** This course is required for graduate students assigned as teaching assistants for PSYC 200WR and QTM 100 during the academic year.
PSYCHOLOGY 770R: Topical Seminars: Psych
"Animal Models of Developmental Psychopathology"
Bachevalier, Tues Thurs 2:30 - 3:45, PAIS 493
Maximum Enrollment: 15.(Permission required prior to enrollment)
Particulars: TBA

PSYCHOLOGY 770R: Topical Seminars: Psych
"Advanced Imaging Practicum"
Berns, Tues 4:00-6:30, PAIS 393
Maximum Enrollment: 4. (Permission required prior to enrollment)
Content: Prior coursework in neuroimaging, especially fMRI, and consent of instructor. This practicum will assume you already know the basics of how fMRI works, how to design a behavioral experiment, and how to do univariate statistics. Because you will be working in the FERN MRI environment, you will also need to have completed safety training. Details and SOPs can be found on the website at www.fern.emory.edu.
Particulars: This course will provide a comprehensive and practical introduction to the use of functional magnetic resonance imaging (fMRI). Students will learn and apply the basic physics underlying MRI, the biological principles of fMRI, the principles of experimental design, the processing steps associated with data analysis, and the use of available software packages. Each week’s session will be composed of a lecture and laboratory. Where possible, the laboratory topics will be flexible so that students with more experience can explore the issues covered in more detail. Students will design and conduct their own fMRI study.
Come prepared to each class. The strength of the class depends on everyone coming prepared and actively participating. You may work either individually or in pairs. The graded requirements will be based on completion of five modules: 1. Definition of the cognitive task. 2. Task design. 3. Task implementation. 4. Data collection. 5. Analysis.
Grading: If you complete all the modules, you pass!

IRB: You will be collecting data in human subjects. If you want to use these data in a paper or grant application, you must have IRB approval before studying any subjects.

PSYCHOLOGY 770R: Topical Seminars: Psych
"Psychiatric Interviewing Seminar"
Lilienfeld, Wed 3:00 - 5:30, PAIS 494
Maximum Enrollment: 8.(Permission required prior to enrollment)
Particulars: TBA

PSYCHOLOGY 770R: Topical Seminars: Psych
"Diversity"
Emory, Mon 8:00 - 10:30, PAIS 494
Maximum Enrollment: 12. (Permission required prior to enrollment)
Particulars: TBA
PSYCHOLOGY 770R: Topical Seminars: Psych
"Developmental Psychopathology"
Goodman, Wed 1:00 - 3:30, PAIS 493
Maximum Enrollment: 15. (Permission required prior to enrollment)

Content: The primary goal of this course is for students to begin to answer one primary question: How can knowledge of normal development inform our efforts to elucidate the etiology of disorders, to assess and classify child psychopathology, and to develop effective treatments for childhood disorders? We will also be concerned with issues regarding the continuity or discontinuity of disorders from childhood to adulthood.

In this seminar, students consider the relationships between the fields of developmental psychology (the study of normal social, emotional, cognitive development, etc.) and clinical psychology (the studies of psychopathology and behavior change). Developmental psychopathology is a relatively new field and is still emerging. It represents the contributions of principles of normal development to the understanding of the origins and course of individual patterns of adaptation and maladaptation and behavior change.

Graduate students of all aspects of psychology will benefit from this course. Training to become a clinical psychologist will be enhanced by the opportunity to integrate relevant knowledge in cognitive, behavioral, affective, social and biological development, and family relations into issues of clinical concern. Conversely, developmental psychology and neuroscience and animal behavior students will have the opportunity to explore how information on developmental deviances can contribute to understandings of both normal development and psychopathology. Thus students will learn about the normal and abnormal development of specific phenomena (e.g. developmental delays, immature rates of development, the range of individual differences in development of abilities, patterns of adaptation and maladaptation). The seminar will provide theoretical perspectives as well as exposure to relevant research and consideration of clinical issues. A major emphasis will be on studies of risk, competence, and protective factors as basic concepts for the study of developmental psychopathology. I will encourage students to consider the advantages of a perspective that integrates not only developmental and abnormal psychology, but also biological (including genetics, neuropsychology, and neuroendocrinology) and cognitive perspectives. Students will be encouraged to think creatively about the opportunities provided by the developmental psychopathology perspective and the potential research and clinical contributions that may evolve from it.

Particulars: This course is intended for but not limited to graduate students in clinical, cognition and development, and neuroscience and animal behavior, with enrollment priority given to students in clinical. Undergraduate students may also take this course if they have completed all of the following: Adult Abnormal Psychology, Child Psychopathology, Child Development, Lab Methods, and Statistics. Pass/fail only.

PSYCHOLOGY 770R: Topical Seminars: Psych (Same as RLP 710K and EDS 771V)
"William James Seminar: Psychological Principles, Religious Experience, and Pragmatism"
Snarey, Wed 2:30-5:00, PAIS 394

Maximum Enrollment: 5

William James (1842-1910), a giant in American intellectual history, is variously considered to be the
founding father of American psychology, the foremost and most American philosopher, and a pioneer in the psychological study of religion in America. This course embraces all three faces of James. The seminar begins with a psychological biography; then seminar members will become familiar first-hand with James's psychology by studying selected chapters from his classic volumes, Psychology: The Briefer Course (1892) and Talks to Teachers on Psychology (1899). Similar attention will be given to James's philosophical pragmatism by reading essays from his classic volumes, especially Pragmatism (1907) and A Pluralistic Universe (1909). Building on this biographical-psychological-philosophical foundation, the primary section of the seminar involves a close reading of James's The Varieties of Religious Experience (1902), which is often regarded as the greatest classic in the psychological study of religion. Critiques of James will be introduced throughout the course, but we will conclude the semester with an overview of critical essays written by James's detractors and assess what we may have missed, and what they may have missed.

**PSYCHOLOGY 775R: Neuroscience & Animal Behavior Research Seminar**
Edwards, Thurs 4:00 –5:30, PAIS 280

**Maximum Enrollment:** None. (Permission required prior to enrollment)

**Content:** This seminar serves primarily as a way for graduate students and faculty interested in Neuroscience and Animal Behavior to share their research and ideas. Content varies from semester to semester. The course includes presentations by NAB students and faculty as well as occasional visitors from other departments and universities. Issues in ethics will also be covered.

**Particulars:** All graduate students registered for the seminar are expected to present a talk or lead a discussion at least once during the academic year. All student presenters receive detailed feedback on their presentation.

**PSYCHOLOGY 776R: Cognition and Developmental Issues Seminar**
Wolff, Wed 12:00-1:00, PAIS 280

**Maximum Enrollment:** None. (Permission required prior to enrollment)

**Content:** This course focuses on current findings and theoretical issues in the study of cognition and development.

**PSYCHOLOGY 797R: Directed Study**
By Faculty, TBA

**Maximum Enrollment:** None (Permission required for enrollment)

**PSYCHOLOGY 799R: Doctoral Dissertation Research**
By Faculty, TBA

**Maximum Enrollment:** None (Permission required for enrollment)
Fall 2019

PSYCHOLOGY 541: Personality and Psychopathology
_Craighead, Edward_
W 9:30 - 12:00
_Maximum Enrollment:_ 15. (Permission required prior to enrollment)
_Content:_ The focus is on the nature and classification of psychopathology, with a focus on the relation between personality and psychopathology. The course begins with a discussion of theoretical perspectives on psychopathology, followed by a review of the latest research on the major forms of psychiatric disturbance described in the DSM-IV.
_Texts:_ Reading materials will be original sources, consisting of classic and recent articles from the psychopathology literature.
_Particulars:_ One exam paper.

PSYCHOLOGY 542: Research Methods in Clinical Psychology
_Brennan_
Tues 4:00-6:30 pm
_Maximum Enrollment:_ 15. Permission is required prior to enrollment
_Content:_ This graduate course introduces a variety of research methods and designs used in the field of psychology. Students will interact with faculty from the clinical psychology program and have an opportunity to hear about their current research projects. Critical thinking, conceptualization, and writing skills will be emphasized.
_Particulars:_ This course is open to first year clinical graduate students and others by permission of the instructor only. All students must register s/u only. Student’s laptop use is not allowed in the classroom.

PSYCHOLOGY 548: Assessment I (Psychometrics)
_Abramowitz, Ann_
Thurs 12:00-2:30
_Maximum Enrollment:_ 15. (Permission required prior to enrollment)
_Content:_ The goal of this course, along with its associated practicum, is to provide a foundation in psychometric theory, a foundation in theories and research relating to intelligence and its measurement, an understanding of the legitimate and ethical purposes of assessment, training and supervision in key assessment instruments, and training in assessment as an integrative process. Assessment of learning problems, from preschool to adult, will be covered.

PSYCHOLOGY 552: Animal Behavior and Evolution
_Gouzoules, Harold_
_Maney, Donna_
Tues Thurs 11:30 - 12:45
_Maximum Enrollment:_ 15. (Permission required prior to enrollment)
_Content:_ This is a lecture course on the study of animal behavior from both topical and historical perspectives and emphasizes naturalistic behavior and approaches. We will approach all of the material from an evolutionary, functional perspective, beginning with early ethology and moving through behavioral genetics, endocrinology, and neuroethology. The majority of the course focuses on the evolution of behavioral strategies, such as courtship and mating systems, cooperation, aggression, parenting, and communication, with some discussion of social cognition and culture. The relevance of sociobiological research to humans will be discussed.
**PSYCHOLOGY 560: ANOVA – Advanced Statistics**  
*McDowell, Jack*  
*Tues Thurs 10:00 – 11:15*  
**Maximum Enrollment:** 15. (Permission required prior to enrollment)  
**Content:** Provides students with appropriate statistical tools to analyze the data obtained in traditional psychological research involving the manipulations of one or more independent variables. The emphasis is on the Analysis of Variance, which forms the backbone of much of psychological research. Topics include when and how to perform the analysis of variance for one-way designs, for factorial design, and for a variety of repeated measure designs. A second major objective of the course is to learn how to analyze data using SPSS, one of the frequently used computer-based data analysis packages.

**PSYCHOLOGY 597R: Directed Study**  
*By Faculty*  
*TBA*

**PSYCHOLOGY 599R: Master Thesis Research**  
*By Faculty*  
*TBA*

**PSYCHOLOGY 730R: Mechanisms of Learning**  
*Bauer, Patricia*  
*Wolff, Phillip*  
*Mon 1:00-2:15*  
**Maximum Enrollment:** 12. (Permission required prior to enrollment)  
**Content:** TBA  
**Particulars:** Pass/fail only.

**PSYCHOLOGY 750L: Assessment I (Part I, Lab)**  
*Wyner, Dayna*  
**Particulars:** (Permission required prior to enrollment)

**PSYCHOLOGY 750R: Evidence-Based Child/Family/School**  
*Abramowitz, Ann*  
**Particulars:** (Permission required prior to enrollment)

**PSYCHOLOGY 750R: Clinical Supervision: Assessment Practicum**  
*Abramowitz, Ann*  
*Messina, Cynthia*  
*Snow, Steve*  
**Maximum Enrollment:** 5. (Permission required prior to enrollment)  
**Content:** Supervised clinical work in psychological assessment.
PSYCHOLOGY 750R: Clinical Supervision: Therapy Practicum  
*Abramowitz, Ann*  
*Duke, Marshall*  
*Messina, Cynthia*  
*McDowell, Jack*  
*Snow, Snow*  
*Wyner, Dayna*  
**Maximum Enrollment:** 5. (Permission required prior to enrollment)  
**Content:** Supervised clinical work in psychological therapy.

PSYCHOLOGY 750R: Community Practicum  
*Messina, Cynthia*  
**Particulars:** (Permission required prior to enrollment)

PSYCHOLOGY 750R: Community Practicum: Psychosis Risk Assessment and Intervention  
*Walker, Elaine*  
**Fri 1:00 - 2:15**  
**Particulars:** (Permission required prior to enrollment)

PSYCHOLOGY 770R: Foundations of Neurobiology and Neuroimaging  
*Dilks, Daniel*  
*Treadway, Michael*  
**Wed 1:00-3:30**  
**Maximum Enrollment:** 15. (Permission required prior to enrollment)  
**Content:** TBA

PSYCHOLOGY 770R: History of Modern Psychology  
*Craighead, Linda*  
**Monday 9:30 - 11:30**  
**Maximum Enrollment:** 15. (Permission required prior to enrollment)  
**Particulars:** TBA

PSYCHOLOGY 770R: Techniques for Mechanisms of Behavior  
*Kelly, Aubrey*  
**Wednesday 9:00 - 11:30**  
**Maximum Enrollment:** 15. (Permission required prior to enrollment)  
This course enables students to gain research skills necessary for their success as burgeoning scientists (e.g., neuroanatomical methods, bioinformatics, immunoassays, neuroimaging, gene arrays, behavioral analyses). Students will be exposed to and acquire hands-on experience with various research methods used by Emory behaviorists and neuroscientists.

PSYCHOLOGY 770R: Number Sense  
*Lourenco, Stella*  
**Wednesday 4:00 - 6:30**  
**Maximum Enrollment:** 15. (Permission required prior to enrollment)
An advanced graduate seminar that takes an interdisciplinary approach to the study of numerical cognition. In this course, we will draw on developmental, cognitive, and biological theories to understand how the mind represents quantity. Questions and topics addressed in this course include: Do babies count? How are numbers represented in single neurons? Does visual perception discriminate quantities? How do nonhuman animals represent number? Are there cross-cultural differences in number words and underlying number representations? What is a mathematical learning disability? What is the role of executive functioning and spatial reasoning in numerical cognition?

**PSYCHOLOGY 770R: Professional Issues, Consultation and Supervision**  
*Messina, Cynthia*  
TBA (1 credit, S/U only)  
**Maximum Enrollment:** 15. (Permission required prior to enrollment)  
**Content:** TBA

**PSYCHOLOGY 775R: Neuroscience & Animal Behavior Research Seminar**  
*Hampton, Robert*  
Thurs 4:00 –5:30  
**Content:** This seminar serves primarily as a way for graduate students and faculty interested in Neuroscience and Animal Behavior to share their research and ideas. Content varies from semester to semester. The course includes presentations by NAB students and faculty as well as occasional visitors from other departments and universities. Issues in ethics will also be covered.  
**Particulars:** All graduate students registered for the seminar are expected to present a talk or lead a discussion at least once during the academic year. All student presenters receive detailed feedback on their presentation.

**PSYCHOLOGY 776R: Cognition and Developmental Issues Seminar**  
*Wolff, Phillip*  
Wed 12:00-1:00  
**Content:** This course focuses on current findings and theoretical issues in the study of cognition and development.

**PSYCHOLOGY 797R: Directed Study**  
By Faculty  
TBA

**PSYCHOLOGY 799R: Doctoral Dissertation Research**  
By Faculty  
TBA
PSYCHOLOGY 546: Intervention I: Theories of Psychotherapy
Craighead, Thurs 9:30-12:00, PAIS 494
Maximum Enrollment: 12. (Permission required prior to enrollment)
Content: Introduction to the theory and practice of individual psychotherapy including psychoanalytic, humanistic, cognitive, and behavioral approaches. Examples of applications to both childhood and adult problems are included in this course
Particulars: Enrollment is open to graduate students and Emory College senior honors students.

PSYCHOLOGY 549: Assessment II: Personality & Psychopathology
Lilienfeld, Tues 9:00-11:30, PAIS 393
Maximum Enrollment: 8. (Permission required prior to enrollment)
Content: This course will cover both theoretical and applied issues in personality assessment. Special emphasis will be placed on clinical judgment and prediction, the research literature on personality assessment and on structured personality tests (particularly the MMPI-2) and structured psychiatric interviews, as well as on both the strengths and limitations of clinical judgment and prediction.
Particulars: One midterm and a final exam; periodic homework assignments.

PSYCHOLOGY 551: Neurobiology of Cognition and Motivated Behavior
Edwards Neill Wallen
Tues Thurs 10:00-11:15, PAIS 493
Maximum Enrollment: 15
Content: This course is part of a core series of course required of graduate students in the Psychology Department's Neuroscience and Animal Behavior Doctoral Program. We welcome students from outside (NAB/Psychology), and the course can be taken out of sequence or without taking the other course in the series. Topics this year include sexual differentiation, the hormonal activation of social behavior, hormone actions on the brain and spinal cord, the neurobiology of thirst, the role of activation in motivated behavior, and a detailed treatment of how learning and memory are represented in the organization of the brain.

PSYCHOLOGY 561: Multiple Regressions and the General Linear Model
Waldman, Tues 1:00 - 3:30, PAIS 361
Maximum Enrollment: 12. (Permission required prior to enrollment)
Content: In this course we will examine multiple regression analysis and the general linear model as a comprehensive statistical analytical framework, including a mix of theoretical, conceptual and "hands-on" approaches. We will begin with basic statistical concepts and their assumptions and then explore some useful graphical statistical methods, the relation of regression to ANOVA, model adequacy and regression diagnostics, and models containing additive, interactive, curvilinear, and indirect effects. Time permitting, we will also examine analyses of categorical and of multiple dependent variables.
Texts: Selected articles and chapters, and text(s) TBA.
**Particulars:** By consent of instructor only. There will be four or five assignments integrating statistical analyses on computer with concepts learned in class, as well as two exams to test students' knowledge of the material covered.

**Prerequisite:** Advanced Statistics (PSYC 560).

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**PSYCHOLOGY 597R: Directed Study**

By Faculty TBA

**Particulars:** Graduate students only. (Permission required prior to enrollment)

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**PSYCHOLOGY 599R: Master Thesis Research**

By Faculty TBA

**Particulars:** Graduate students only. (Permission required prior to enrollment)

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**PSYCHOLOGY 610: Developmental Theory and Methods** *(this class runs 1st half of the semester)*

Lourenco

Rochat

Wed 9:30-12:00, PAIS 493

**Particulars:** Graduate students only. (Permission required prior to enrollment)

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**PSYCHOLOGY 612: Perception & Attention** *(this class runs 2nd half of the semester)*

Dilks

Rochat

Wed 9:30-12:00, PAIS 493

**Particulars:** Graduate students only. (Permission required prior to enrollment)

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**PSYCHOLOGY 720: Behavioral Effects of Drugs**

Palmer, Wed 10:00-12:30, PAIS 220

**Maximum Enrollment:** 20. Graduate students only. Others, Instructor's permission is required.

**Content:** This graduate/advanced undergraduate course will be an adventure combining lecture and seminar formats of teaching. You are all advanced students who have exhibited an interest in tackling some challenging, but very fascinating material on addiction. Our challenge over the next couple of weeks is to work together to make this a terrific learning experience for all. That said, this will not be your typical lecture sequence. We (Drs. Palmer and Neill) will not always be standing in front of the class, having chosen, culled and organized material that will be available to you. Although we have pre-selected the material you will be reading, we will also be also reading it with you while proving guidance about how to read the material. You will have the opportunity to suggest ideas or interpretations of the readings or bring in ideas from the articles listed.

**Particulars:** Course readings will focus on three major themes: The Pharmacology of Drug Action → Determinants of Substance Use Disorders → Psychopathology, Drugs, & Comorbidity.

At the end of this course you will be able to:

- Describe the neurobiological mechanisms of reward and how it pertains to substance abuse.
- Describe the various causes of behavior, particularly addiction (psychosocial & biological).
- Describe the addictive process and its generalizability to various drugs (alcohol, tobacco, marijuana, cocaine/crack, heroin, and other substances).
• Clinically define addiction.
• Identify behavioral correlates describe and critique the models of primary prevention, treatment, and

**PSYCHOLOGY 730R: Special Topics Research Group**  
"The Language Group"  
Nygaard, Mon 10:00 - 11:30, PAIS 393  
**Maximum Enrollment:** 15. (Permission required prior to enrollment)  
**Particulars:** Pass/fail only.

**PSYCHOLOGY 730R: Special Topics Research Group**  
"Proseminar in Learning"  
Hampton & Bauer, Mon 1:00-2:15, PAIS 393  
Maximum Enrollment: 12. (Permission required prior to enrollment)  
Content: TBA  
Particulars: Pass/fail only.

**PSYCHOLOGY 730R: Special Topics Research Group**  
"Culture and Cognition"  
Dilks, Hamann, Lourenco, & Rochat, Fri 1:00-2:30, PAIS 493  
**Maximum Enrollment:** 15. (Permission required prior to enrollment)  
**Content:** Research, reading, and discussion group on cognition and social cognition from a cross-cultural and comparative perspective.  
**Particulars:** Pass/fail only.

**PSYCHOLOGY 730R: Special Topics Research Group**  
"Behavioral Neuroendocrinology"  
Wallen, Tues 4:00-5:30, PAIS 493  
**Maximum Enrollment:** 10 (Permission required prior to enrollment)  
**Content:** This seminar will focus on discussion of primary literature and student presentations in the field of behavioral neuroendocrinology.  
**Texts:** Selected readings from scientific journals may be assigned for individual sessions.  
**Particulars:** NAB graduate students interested in behavioral endocrinology and neuroendocrinology are especially encouraged to enroll. Graduate students from other programs are welcome as well. Content will vary from semester to semester and the course can be repeated for credit. Pass/fail only.

**PSYCHOLOGY 750H: Clinical Practicum**  
"Intervention I Lab"  
Craighead, Thurs 2:00 - 5:00, PAIS 494  
**Maximum Enrollment:** 10. (Permission required prior to enrollment)  
**Particulars:** This is a lab portion of Psyc 546: Intervention I. This practicum is a fixed one-credit.

**PSYCHOLOGY 750R: Clinical Practicum/Supervision**  
"Assessment Practicum"  
Abramowitz, Messina & Snow  
**Maximum Enrollment:** 5. (Permission required prior to enrollment)  
**Content:** Supervised clinical work in assessment and treatment of clients.
PSYCHOLOGY 750R: Clinical Practicum/Supervision  
"Intervention"  
Abramowitz, McDowell, Messina, Snow, Craighead & Wyner  
TBA  
**Maximum Enrollment:** TBA. (Permission required prior to enrollment)  
**Content:** Supervised clinical work in therapy and treatment of clients.

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PSYCHOLOGY 750: Clinical Practicum/Supervision  
"Practicum in Evidence-Based Treatment for Children"  
Abramowitz, TBA

**Maximum Enrollment:** 10. (Permission required prior to enrollment)  
**Content:** TBA.

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PSYCHOLOGY 750: Clinical Practicum/Supervision  
"Biofeedback/Stress Management Techniques"  
Wyner, TBA

**Maximum Enrollment:** 10

**Particulars:** Must be a graduate student in clinical psychology.

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PSYCHOLOGY 750: Clinical Practicum/Supervision  
"Community Practicum"  
Messina, TBA

**Maximum Enrollment:** 10. (Permission required prior to enrollment)

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PSYCHOLOGY 750: Clinical Practicum/Supervision  
"Community Practicum"  
Walker, TBA

**Maximum Enrollment:** 10. (Permission required prior to enrollment)

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PSYCHOLOGY 760: Teaching Practicum  
"Pedadogy"  
Duke, Mon 9:00-11:30, PAIS 493  
**Maximum Enrollment:** 20. (Permission required prior to enrollment)  
**Content:** This course focuses on strategies for teaching undergraduate courses in psychology. Topics include setting teaching goals and objectives, preparing a syllabus, choosing required reading, preparing lectures, exams and grading, leading class discussions, active learning strategies, the use of new teaching technologies on the internet and in the classroom, and legal and ethical issues. Current literature on teaching effectiveness is reviewed. Several in-class exercises and outside projects provide students opportunities to develop their teaching abilities.  
**Particulars:** This course is required for graduate students assigned as teaching assistants for PSYC 200WR and QTM 100 during the academic year.

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PSYCHOLOGY 770R: Topical Seminars: Psych  
"Animal Models of Developmental Psychopathology"  
Bachevalier, Tues Thurs 2:30 - 3:45, PAIS 493

**Maximum Enrollment:** 15. (Permission required prior to enrollment)  
**Particulars:** TBA
PSYCHOLOGY 770R: Topical Seminars: Psych
"Advanced Imaging Practicum"
Berns, Tues 4:00-6:30, PAIS 393
Maximum Enrollment: 4. (Permission required prior to enrollment)
Content: Prior coursework in neuroimaging, especially fMRI, and consent of instructor. This practicum will assume you already know the basics of how fMRI works, how to design a behavioral experiment, and how to do univariate statistics. Because you will be working in the FERN MRI environment, you will also need to have completed safety training. Details and SOPs can be found on the website at www.fern.emory.edu.
Particulars: This course will provide a comprehensive and practical introduction to the use of functional magnetic resonance imaging (fMRI). Students will learn and apply the basic physics underlying MRI, the biological principles of fMRI, the principles of experimental design, the processing steps associated with data analysis, and the use of available software packages. Each week’s session will be composed of a lecture and laboratory. Where possible, the laboratory topics will be flexible so that students with more experience can explore the issues covered in more detail. Students will design and conduct their own fMRI study.
Come prepared to each class. The strength of the class depends on everyone coming prepared and actively participating. You may work either individually or in pairs. The graded requirements will be based on completion of five modules: 1. Definition of the cognitive task. 2. Task design. 3. Task implementation. 4. Data collection. 5. Analysis.
Grading: If you complete all the modules, you pass!


IRB: You will be collecting data in human subjects. If you want to use these data in a paper or grant application, you must have IRB approval before studying any subjects.

PSYCHOLOGY 770R: Topical Seminars: Psych
"Psychiatric Interviewing Seminar"
Lilienfeld, Wed 3:00 - 5:30, PAIS 494
Maximum Enrollment: 8. (Permission required prior to enrollment)
Particulars: TBA

PSYCHOLOGY 770R: Topical Seminars: Psych
"Diversity"
Emory, Mon 8:00 - 10:30, PAIS 494
Maximum Enrollment: 12. (Permission required prior to enrollment)
Particulars: TBA

PSYCHOLOGY 770R: Topical Seminars: Psych
"Developmental Psychopathology"
Goodman, Wed 1:00 - 3:30, PAIS 493

Maximum Enrollment: 15. (Permission required prior to enrollment)
Content: The primary goal of this course is for students to begin to answer one primary question: How can knowledge of normal development inform our efforts to elucidate the etiology of disorders, to
assess and classify child psychopathology, and to develop effective treatments for childhood disorders? We will also be concerned with issues regarding the continuity or discontinuity of disorders from childhood to adulthood.

In this seminar, students consider the relationships between the fields of developmental psychology (the study of normal social, emotional, cognitive development, etc.) and clinical psychology (the studies of psychopathology and behavior change). Developmental psychopathology is a relatively new field and is still emerging. It represents the contributions of principles of normal development to the understanding of the origins and course of individual patterns of adaptation and maladaptation and behavior change.

Graduate students of all aspects of psychology will benefit from this course. Training to become a clinical psychologist will be enhanced by the opportunity to integrate relevant knowledge in cognitive, behavioral, affective, social and biological development, and family relations into issues of clinical concern. Conversely, developmental psychology and neuroscience and animal behavior students will have the opportunity to explore how information on developmental deviances can contribute to understandings of both normal development and psychopathology. Thus students will learn about the normal and abnormal development of specific phenomena (e.g. developmental delays, immature rates of development, the range of individual differences in development of abilities, patterns of adaptation and maladaptation). The seminar will provide theoretical perspectives as well as exposure to relevant research and consideration of clinical issues. A major emphasis will be on studies of risk, competence, and protective factors as basic concepts for the study of developmental psychopathology. I will encourage students to consider the advantages of a perspective that integrates not only developmental and abnormal psychology, but also biological (including genetics, neuropsychology, and neuroendocrinology) and cognitive perspectives. Students will be encouraged to think creatively about the opportunities provided by the developmental psychopathology perspective and the potential research and clinical contributions that may evolve from it.

**Particulars:** This course is intended for but not limited to graduate students in clinical, cognition and development, and neuroscience and animal behavior, with enrollment priority given to students in clinical. Undergraduate students may also take this course if they have completed all of the following: Adult Abnormal Psychology, Child Psychopathology, Child Development, Lab Methods, and Statistics. Pass/fail only.

**PSYCHOLOGY 770R: Topical Seminars: Psych** (Same as RLCPC 710K and EDS 771V)
"William James Seminar: Psychological Principles, Religious Experience, and Pragmatism"
Snarey, Wed 2:30-5:00, PAIS 394

**Maximum Enrollment:** 5
William James (1842-1910), a giant in American intellectual history, is variously considered to be the founding father of American psychology, the foremost and most American philosopher, and a pioneer in the psychological study of religion in America. This course embraces all three faces of James. The seminar begins with a psychological biography; then seminar members will become familiar first-hand with James’s psychology by studying selected chapters from his classic volumes, Psychology: The Briefer Course (1892) and Talks to Teachers on Psychology (1899). Similar attention will be given to James’s philosophical pragmatism by reading essays from his classic volumes, especially Pragmatism (1907) and A Pluralistic Universe (1909). Building on this biographical-psychological-philosophical foundation, the primary section of the seminar involves a close reading of James’s The Varieties of Religious Experience
(1902), which is often regarded as the greatest classic in the psychological study of religion. Critiques of James will be introduced throughout the course, but we will conclude the semester with an overview of critical essays written by James’s detractors and assess what we may have missed, and what they may have missed.

**PSYCHOLOGY 775R: Neuroscience & Animal Behavior Research Seminar**  
Edwards, Thurs 4:00 – 5:30, PAIS 280  
**Maximum Enrollment:** None. (Permission required prior to enrollment)  
**Content:** This seminar serves primarily as a way for graduate students and faculty interested in Neuroscience and Animal Behavior to share their research and ideas. Content varies from semester to semester. The course includes presentations by NAB students and faculty as well as occasional visitors from other departments and universities. Issues in ethics will also be covered.  
**Particulars:** All graduate students registered for the seminar are expected to present a talk or lead a discussion at least once during the academic year. All student presenters receive detailed feedback on their presentation.

**PSYCHOLOGY 776R: Cognition and Developmental Issues Seminar**  
Wolff, Wed 12:00-1:00, PAIS 280  
**Maximum Enrollment:** None. (Permission required prior to enrollment)  
**Content:** This course focuses on current findings and theoretical issues in the study of cognition and development.

**PSYCHOLOGY 797R: Directed Study**  
By Faculty, TBA  
**Maximum Enrollment:** None (Permission required for enrollment)

**PSYCHOLOGY 799R: Doctoral Dissertation Research**  
By Faculty, TBA  
**Maximum Enrollment:** None (Permission required for enrollment)
Fall 2020

PSYCHOLOGY 541: Personality and Psychopathology
_Craighead, Edward_
W 9:30 - 12:00
Maximum Enrollment: 15. (Permission required prior to enrollment)
Content: The focus is on the nature and classification of psychopathology, with a focus on the relation between personality and psychopathology. The course begins with a discussion of theoretical perspectives on psychopathology, followed by a review of the latest research on the major forms of psychiatric disturbance described in the DSM-IV.
Texts: Reading materials will be original sources, consisting of classic and recent articles from the psychopathology literature.
Particulars: One exam paper.

PSYCHOLOGY 542: Research Methods in Clinical Psychology
_Brennan, Patricia_
Tues 4:00-6:30 pm
Maximum Enrollment: 15. Permission is required prior to enrollment
Content: This graduate course introduces a variety of research methods and designs used in the field of psychology. Students will interact with faculty from the clinical psychology program and have an opportunity to hear about their current research projects. Critical thinking, conceptualization, and writing skills will be emphasized.
Particulars: This course is open to first year clinical graduate students and others by permission of the instructor only. All students must register s/u only. Student's laptop use is not allowed in the classroom.

PSYCHOLOGY 548: Assessment I (Psychometrics)
_Abramowitz, Ann_
Thurs 12:00-2:30
Maximum Enrollment: 12. (Permission required prior to enrollment)
Content: The goal of this course, along with its associated practicum, is to provide a foundation in psychometric theory, a foundation in theories and research relating to intelligence and its measurement, an understanding of the legitimate and ethical purposes of assessment, training and supervision in key assessment instruments, and training in assessment as an integrative process. Assessment of learning problems, from preschool to adult, will be covered.

PSYCHOLOGY 550: Fundamentals of Systems Neuroscience
_Rodman, Hillary_
Tues Thurs 1pm - 2:15pm
Maximum Enrollment: 15. (Permission required prior to enrollment)
Content: This course is the first in a sequence of four core classes required of students in the Neuroscience and Animal Behavior graduate program. Topics to be covered include the workings of neurons, fundamentals of vertebrate brain organization and development, sensory systems, motor systems, neural processes of reward and addiction, and the neurobiology of emotion.

PSYCHOLOGY 562: Statistics I: Design & Analysis
Wolff, Phillip
Mon Weds 10:00 – 11:15AM
Maximum Enrollment: 15. (Permission required prior to enrollment)
Content: This course is designed to introduce students to the concepts currently relevant to design and statistical analysis in the field of psychology. The content of the class will be buttressed by an introduction to statistical modeling using methods involving Python, R, and SPSS.

PSYCHOLOGY 597R: Directed Study
By Faculty
TBA

PSYCHOLOGY 599R: Master Thesis Research
By Faculty
TBA

PSYCHOLOGY 730R: Mechanisms of Learning (Special Topics Research Group)
Hampton, Robert
Nygaard, Lynne
Mon 1:00-2:15PM
Maximum Enrollment: 15. (Permission required prior to enrollment)
Content: TBA
Particulars: Satisfactory/Unsatisfactory grading mode.

PSYCHOLOGY 750L: Assessment Practicum I (Part I, Lab)
Wyner, Dana
Particulars: (Permission required prior to enrollment)

PSYCHOLOGY 750R: Evidence-Based Intervention Family/School Based
Abramowitz, Ann
Particulars: (Permission required prior to enrollment)

PSYCHOLOGY 750R: Clinical Supervision: Assessment Practicum
Abramowitz, Ann
Messina, Cynthia
Snow, Steve

**Maximum Enrollment:** 5. (Permission required prior to enrollment)
**Content:** Supervised clinical work in psychological assessment.

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**PSYCHOLOGY 750R: Clinical Supervision: Therapy Practicum**

* Abramowitz, Ann  
* Duke, Marshall  
* Messina, Cynthia  
* Snow, Snow  
* Wyner, Dayna

**Maximum Enrollment:** 5. (Permission required prior to enrollment)

**Content:** Supervised clinical work in psychological therapy.

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**PSYCHOLOGY 750R: Community Practicum**

* Messina, Cynthia

**Particulars:** (Permission required prior to enrollment)

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**PSYCHOLOGY 750R: Community Practicum: Psychosis Risk Assessment and Intervention**

* Walker, Elaine

**Particulars:** (Permission required prior to enrollment)

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**PSYCHOLOGY 770R: History of Modern Psychology**

* Craighead, Linda

**TBA**

**Maximum Enrollment:** 15. (Permission required prior to enrollment)

**Particulars:** 1 credit. Satisfactory/Unsatisfactory grading mode.

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**PSYCHOLOGY 770R: Memory, Emotion & Social Cognition, and Thinking**

* Hamann, Stephan  
* Wolff, Phillip

**Wed 1:00-3:30PM**

**Maximum Enrollment:** 15. (Permission required prior to enrollment)

**Content:** TBA

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**PSYCHOLOGY 770R: Professional Issues, Consultation and Supervision**

* Messina, Cynthia

**TBA (1 credit, S/U only)**
Maximum Enrollment: 15. (Permission required prior to enrollment)

PSYCHOLOGY 777R: Research Seminar A  
Rochat, Philippe  
Thurs 4:00 – 5:30PM  
Content: This course is designed to enable students to practice sharing their research with the faculty and peers inside and outside of their concentration area. Students are expected to present at least once per academic year. Faculty attend the research seminar to provide students feedback, as well as to share their expertise on the subject matter of the presentation.  
Particulars: Satisfactory/Unsatisfactory grading mode.

PSYCHOLOGY 778R: Research Seminar B  
Brennan, Patricia  
Content: This course is designed to enable students to practice sharing their research with the faculty and peers inside and outside of their concentration area. Students are expected to present at least once per academic year. Faculty attend the research seminar to provide students feedback, as well as to share their expertise on the subject matter of the presentation.  
Particulars: Satisfactory/Unsatisfactory grading mode.

PSYCHOLOGY 797R: Directed Study  
By Faculty  
TBA

PSYCHOLOGY 799R: Doctoral Dissertation Research  
By Faculty  
TBA
<table>
<thead>
<tr>
<th>Instructor</th>
<th>Course #</th>
<th>OPUS #</th>
<th>Course/Topic Title/Credit Hr</th>
<th>Day and Time</th>
<th>Max Enroll</th>
<th>Delivery Method</th>
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<td>Kelly Lourenco</td>
<td>Psyc 543-1</td>
<td>4035</td>
<td>Cognitive and Social Development (check w/ A &amp; S – base on new curr)</td>
<td>W 11:20-2:15-synchro</td>
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<td>Craighead, L</td>
<td>Psyc 546-1</td>
<td>3582</td>
<td>Intervention I (3)</td>
<td>M 11:20-2:15-synchro</td>
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<td>Intervention Lab (1)</td>
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<td>Goodman</td>
<td>Psyc 547-1</td>
<td>3584</td>
<td>Intervention II: Child &amp; Adolescent Psychopathology-Empirical Evidence for the Roles of Parents and Evidence Based Practices in Assessment &amp; Interventions (3) (Graded)</td>
<td>TU 9:40-12:35-synchro</td>
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<td>Wolff</td>
<td>Psyc 563-1</td>
<td>4034</td>
<td>Statistics II: Predictive Modeling(3) (Graded)*-base new curr double check w/ Phil</td>
<td>TTH 2:40-3:55-synchro</td>
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<td>Psyc 597R-1</td>
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<td>Directed Study (1-12)</td>
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<td>Master's Thesis Research (1-12)</td>
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<td>Hampton Nygaard</td>
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<td>3681</td>
<td>Mechanisms of Learning (2)</td>
<td>M 1:00-2:15-synchro</td>
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<td>Clinical Practicum/Supervision: Practicum in Evidence-Based/Child/Family/School (1-12)</td>
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<td>The Professional Psych Issues &amp; Consultation (1)/(S/U only)</td>
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<td>The Professional Psych Issues &amp; Consultation (1)/(S/U only) (offer: summer/fall/spring)</td>
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<td>Multilevel Modeling: Theory and Application (3)</td>
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</table>
## Psychology Department Fall 2021 Course Offerings

**Graduate**

<table>
<thead>
<tr>
<th>Instructor</th>
<th>Course</th>
<th>OPUS</th>
<th>Course Title/Credit Hours</th>
<th>Day and Time</th>
<th>Requested Location</th>
<th>Max Enroll</th>
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<tbody>
<tr>
<td>E. Craighead</td>
<td>Psyc 541-1</td>
<td>2047</td>
<td>Personality &amp; Psychopathology (3) <em>no undergrads allowed to enroll</em></td>
<td>W 10:00-12:30</td>
<td>PAIS 393 In-Person</td>
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<tr>
<td>Brennan</td>
<td>Psyc 542-1</td>
<td>2048</td>
<td>Research Methods in Clinical Psychology (3)</td>
<td>M 10:00-12:30</td>
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<td>Abramowitz</td>
<td>Psyc 548-1</td>
<td>2049</td>
<td>Assessment I (Psychometrics) (3)</td>
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<td>Wolff</td>
<td>Psyc 562-1</td>
<td>2139</td>
<td>Statistics I: Design and Analysis (3)</td>
<td>TTH 2:30-3:45</td>
<td>MSC N301</td>
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<td>By Faculty</td>
<td>Psyc 597R-1</td>
<td>2074</td>
<td>Directed Study (1-12)</td>
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<td>By Faculty</td>
<td>Psyc 599R-1</td>
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<td>Master's Thesis Research(1-12)</td>
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<tr>
<td>Palmer/McBride/Sarker</td>
<td>GRAD 700R/BSHES</td>
<td>4521</td>
<td>Training in Advanced Data Analytics (4) (<em>Please check with the instructor if you need more information about this class</em>)</td>
<td>W 10:30-1:20pm (2-hr Lect; 1-hr lab)</td>
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<td>Hampton Lourenco</td>
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<td>Mechanisms of Learning (2)</td>
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<td>Evidence-Based Client/Family/School</td>
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<td>Abramowitz</td>
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<td>Snow</td>
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<td>McDowell</td>
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<td>Community Practicum(1-12)</td>
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<td>Walker</td>
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<td>Community Practicum: Psychosis Risk Assessment and Intervention. (1-12)</td>
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<td>Wyner</td>
<td>Psyc 750R-13</td>
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<td>Stress Management Clinic</td>
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<tr>
<td>Craighead, L</td>
<td>Psyc 770R-2</td>
<td>2087</td>
<td>History of Modern Psychology (1 credit) (S/U only)</td>
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<td>Hamann Nygaard</td>
<td>Psyc 770R</td>
<td>1561</td>
<td>CCS Graduate Core Course 2 (3)(Student Option)</td>
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<td>Messina</td>
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<td>Professional Issues, Consultation and Supervision (1)(S/U only)</td>
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<td>Waldman</td>
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<td>Latent Variable Models (3)</td>
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<td>Kelly</td>
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<td>Kim/Cheong</td>
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*Prepared by: Lorenza E. Houser, 8/19/2021 9:18 AM*