

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.

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.

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.

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.

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 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**Laurenco 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

Craighead, 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.

Texts: Graham, J.R. (2012). *MMPI-2: Assessing Personality and Psychopathology* (3rd ed.) NY: Oxford University Press. Shea, S. (1998). *Psychiatric Interviewing: The Art of Understanding Philadelphia*: W.B. Saunders Company.

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)

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

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.

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 providing 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;

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

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.

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!

Textbook: Functional Magnetic Resonance Imaging, 3rd Edition by Huettel, Song, and McCarthy, Sinauer Publishing, 2014.

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.

Textbook: Embretson, S. E. & Reise, S. P. (2000). *Item response theory for psychologists*. Mahwah, NJ: Lawrence Erlbaum Associates, Publishers

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.

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.

PSYCHOLOGY 776R: Cognition and Developmental Issues Seminar

Laurenco, 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 2017

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

Manns

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.

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.

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

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

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.

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.

Textbook: Embretson, S. E. & Reise, S. P. (2000). *Item response theory for psychologists*. Mahwah, NJ: Lawrence Erlbaum Associates, Publishers.

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.

PSYCHOLOGY 770R: Topical Seminar - Lab credit

Waldman

TBA

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 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.

Texts: Graham, J.R. (2012). *MMPI-2: Assessing Personality and Psychopathology* (3rd ed.) NY: Oxford University Press. Shea, S. (1998). *Psychiatric Interviewing: The Art of Understanding Philadelphia*: W.B. Saunders Company.

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*"Pedagogy"*

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.

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.

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!

Textbook: Functional Magnetic Resonance Imaging, 3rd Edition by Huettel, Song, and McCarthy, Sinauer Publishing, 2014.

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 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 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.esidence. The course is intended for but not limited to students outside of the department of psychology.

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 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.

PSYCHOLOGY 597R: Directed Study*By Faculty***TBA****PSYCHOLOGY 599R: Master Thesis Research***By Faculty***TBA****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.**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.**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.**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.

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.

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.

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.

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.

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.

PSYCHOLOGY 750: Community Practicum

Messina, Cynthia

Walker, Elaine

Particulars: (Permission required prior to enrollment)

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

Wyner, Dayna

Fri 9:00-12:00

Particulars: (Permission required prior to enrollment)

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.

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.

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-levels 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., 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 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

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.

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.

Texts: Graham, J.R. (2012). *MMPI-2: Assessing Personality and Psychopathology* (3rd ed.) NY: Oxford University Press. Shea, S. (1998). *Psychiatric Interviewing: The Art of Understanding Philadelphia*: W.B. Saunders Company.

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).

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*)

Laurenco

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 providing 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.

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.

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

"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!

Textbook: Functional Magnetic Resonance Imaging, 3rd Edition by Huettel, Song, and McCarthy, Sinauer Publishing, 2014.

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 RLPC 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*Laurenco, 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

SPRING 2019

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.

Texts: Graham, J.R. (2012). *MMPI-2: Assessing Personality and Psychopathology* (3rd ed.) NY: Oxford University Press. Shea, S. (1998). *Psychiatric Interviewing: The Art of Understanding Philadelphia*: W.B. Saunders Company.

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).

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 providing 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.

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*"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!

Textbook: Functional Magnetic Resonance Imaging, 3rd Edition by Huettel, Song, and McCarthy, Sinauer Publishing, 2014.

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 RLPC 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.

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.

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: History of Modern Psychology

Craighead, Linda

TBA

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

Particulars: 1 credit. Satisfactory/Unsatisfactory grading mode.

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

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

Graduate Current Course Offerings

Spring 2021

Instructor	Course #	OPUS #	Course/Topic Title/Credit Hr	Day and Time	Max Enroll	Delivery Method
Kelly Lourenco	Psyc 543-1	4035	Cognitive and Social Development (check w/ A & S – base on new curr)	W 11:20-2:15- <i>synchro</i>	15	Online
Craighead, L	Psyc 546-1 Psyc 750H-1	3582 3616	Intervention I (3) Intervention Lab (1)	M 11:20-2:15- <i>synchro</i>	12	Online
Goodman	Psyc 547-1	3584	Intervention II: Child & Adolescent Psychopathology-Empirical Evidence for the Roles of Parents and Evidence Based Practices in Assessment & Interventions (3) (Graded)	TU 9:40-12:35- <i>synchro</i>	15	Online
Wolff	Psyc 563-1	4034	Statistics II: Predictive Modeling(3) (Graded)*-base new curr double check w/ Phil)	TTH 2:40-3:55- <i>synchro</i>	15	Online
By Faculty	Psyc 597R-1		Directed Study (1-12)	TBA	5	Online
By Faculty	Psyc 599R-1		Master's Thesis Research (1-12)	TBA	5	Online
Hampton Nygaard	Psyc 730R-1	3681	Mechanisms of Learning (2)	M 1:00-2:15- <i>synchro</i>	15	Online
Abramowitz	Psyc 750R-1	4028	Clinical Practicum/Supervision: Practicum in Evidence-Based/Child/Family/School (1-12)	TBA	10	Online
Messina	Psyc 750R-2	3624	Community Practicum (1-12)	TBA	10	Online
Walker	Psyc 750R-3	4030	Community Practicum(1-12)	F 1:00-2:15- <i>synchro</i>	10	Online
Wyner	Psyc 750-4	3628	Biofeedback/Stress Mgt Techniques (1)	TBA	10	Online
Wyner Messina Snow Abramowitz Craighead, L	Psyc 750R-9 7 8 5 6	3637 3634 3636 3630 3632	Clinical Practicum/Supervision: Therapy (1-12)	TBA	5	Online
Abramowitz Messina Snow	Psyc 750R 10 11 12	4029 3619 3621	Clinical Practicum/Supervision: Assessment (1-12)	TBA	TBA	Online
Kim	Psyc 760-1	3638	Teaching Practicum (2)	TH 1:00-2:15- <i>synchro</i>	15	Online
Cheong	Psyc 770R-1	3639	Multilevel Modeling: Theory and Application (3)	TU 9:40-12:35- <i>synchro</i>	15	Online
Maney	Psyc 770R-2	3640	Grant Writing (2) (S/U only)	TBA	15	Online
Messina	Psyc 770R-3	3641	The Professional Psych Issues & Consultation (1)(S/U only)(offer: summer/fall/spring)	TU 1:00-2:15- <i>synchro</i>	15	Online
Kelly	Psyc 777R-1	4036	Research Seminar A (S/U only)	TH 4:20-5:35- <i>synchro</i>	20	Online
Brennan	Psyc 778R-1	3691	Research Seminar B (S/U only)	TU 4:20-5:35- <i>synchro</i>	20	Online
By Faculty	Psyc 797R-1		Directed Research (1-12)	TBA	TBA	Online
By Faculty	Psyc 799R-1		Doctoral Dissertation Research (1-12)	TBA		Online
By Faculty	TATTO 605					
Kim	TATTO 610					

Psychology Department Fall 2021 Course Offerings

Graduate

Instructor	Course	OPUS	Course Title/Credit Hours	Day and Time	Requested Location	Max Enroll
E. Craighead	Psyc 541-1	2047	Personality & Psychopathology (3) <i>*no undergrads allowed to enroll*</i>	W 10:00-12:30	PAIS 393 In-Person	15
Brennan	Psyc 542-1	2048	Research Methods in Clinical Psychology (3)	M 10:00-12:30	PAIS 393 In-Person	12
Abramowitz	Psyc 548-1	2049	Assessment I (Psychometrics) (3)	TTH 11:30-12:45	PAIS 393 In-Person	12
Wolff	Psyc 562-1	2139	Statistics I: Design and Analysis (3)	TTH 2:30-3:45	MSC N301	20
By Faculty	Psyc 597R-1		Directed Study (1-12)	TBA	TBA	5
By Faculty	Psyc 599R -1		Master's Thesis Research(1-12)	TBA	TBA	5
Palmer/McBride/ Sarker	GRAD 700R/BSHES 797R	4521	Training in Advanced Data Analytics (4) <i>(*Please check with the instructor if you need more information about this class*)</i>	W 10:30-1:20pm (2-hr Lect; 1-hr lab)	TBA-In Person	15
Hampton Lourenco	Psyc 730R-1	2131	Mechanisms of Learning (2)	M 1:00-2:15	PAIS 393 In-Person	15
Dilks Treadway	Psyc 730R	4559	fMRI Research Seminar (2)	TH 1:00-3:45	In-Person	15
Wyner	Psyc 750L-1	2074	Assessment I (Part I, Lab) (1)	TBA	TBA	15
Abramowitz	Psyc 750R-1	2075	Evidence-Based Child/Family/School	TBA	TBA	5
Abramowitz Messina Snow	Psyc 750R-2 Psyc 750R-3 Psyc 750R-4	2079 2080 2081	Clinical Supervision: Assessment (1-12) Clinical Supervision: Assessment Clinical Supervision: Assessment	TBA TBA TBA	TBA TBA TBA	5 5 5
Wyner Messina Snow Abramowitz McDowell	Psyc 750R-10 Psyc 750R-8 Psyc 750R-9 Psyc 750R-5 Psyc 750R-7	2076 2084 2085 2082 2083	Clinical Supervision: Therapy (1-12) Clinical Supervision: Therapy Clinical Supervision: Therapy Clinical Supervision: Therapy Clinical Supervision: Supervision in Behavior Therapy	TBA TBA TBA TBA TBA	TBA TBA TBA TBA TBA -	5 5 5 5 5 5
Messina	Psyc 750R-11	2077	Community Practicum(1-12)	TBA	TBA	15
Walker	Psyc 750R-12	2078	Community Practicum: Psychosis Risk Assessment and Intervention. (1-12)	F 1:00-2:15	PAIS TBA	15
Wyner	Psyc 750R-13	3660	Stress Management Clinic	TBA	In-Person	15
Craighead, L	Psyc 770R-2	2087	History of Modern Psychology (1 credit) (S/U only)	TBA	TBA	15
Dilks Treadway	Psyc 770R-5	5276	Conceptual Foundations of Neurobiology & Neuroimaging	TH 1:00-3:45	PAIS 493	15
Hamann Nygaard	Psyc 770R	4561	CCS Graduate Core Course 2 (3)(Student Option)	W 1:00-3:30	PAIS 493 In-Person	15
Messina	Psyc 770R-1	2086	Professional Issues, Consultation and Supervision (1)(S/U only)	TBA	TBA	15
Waldman	Psyc 770R-3	2088	Latent Variable Models (3)	W 2:30-5:15	PAIS 361 In-Person	15
Kelly	Psyc 777R-1	2140	Research Seminar A (2) (S/U only)	TH 4:00-5:30	PAIS 280-In Person	20
Brennan	Psyc 778R-1	2141	Research Seminar B (2) (S/U only)	TU 4:00-5:30	PAIS 280-In Person	20
Faculty	Psyc 797R-		Directed Research(1-12)	TBA	TBA	5
Faculty	Psyc 799R-		Doctoral Dissertation Research(1-12)	TBA	TBA	5
Goodman	GSAS RES		Residency(1-12)	TBA	TBA	
By Faculty	TATTO 600					
By Faculty	TATTO 605					
Kim/Cheong	TATTO 610	2129				