

PSYCHOLOGICAL AND BRAIN SCIENCES

The Department of Psychological and Brain Sciences, part of the social and behavioral sciences division within the Columbian College of Arts and Sciences, seeks to advance the science and practice of psychology through research and its dissemination, and to provide outstanding education and training to undergraduate and doctoral students. The faculty encourages a scientist/applied approach to psychology, which is achieved through research and coursework that emphasize psychological knowledge, theories and methods, and apply psychological science to important issues individuals, communities, and society face.

UNDERGRADUATE

Bachelor's programs

- Bachelor of Arts with a major in psychological and brain sciences (<http://bulletin.gwu.edu/arts-sciences/psychological-and-brain-sciences/ba/>)
- Bachelor of Science with a major in cognitive neuroscience (<http://bulletin.gwu.edu/arts-sciences/psychological-and-brain-sciences/bs-cognitive-neuroscience/>)
- Bachelor of Science with a major in psychological and brain sciences (<http://bulletin.gwu.edu/arts-sciences/psychological-and-brain-sciences/bs/>)

Combined program

- Dual Bachelor of Arts with a major in psychological and brain sciences and Master of Arts in the field of art therapy (<http://bulletin.gwu.edu/arts-sciences/psychological-and-brain-sciences/combined-ba-ma-art-therapy/>)

Minor

- Minor in psychological and brain sciences (<http://bulletin.gwu.edu/arts-sciences/psychological-and-brain-sciences/minor/>)

GRADUATE

Graduate programs

- Master of Science in the field of applied psychology (<http://bulletin.gwu.edu/arts-sciences/psychological-and-brain-sciences/ms-applied-psychology/>)

DOCTORAL

Doctoral programs

- Doctor of Philosophy in the field of applied social psychology (<http://bulletin.gwu.edu/arts-sciences/psychological-and-brain-sciences/applied-social-psychology-phd/>)
- Doctor of Philosophy in the field of clinical psychology (<http://bulletin.gwu.edu/arts-sciences/psychological-and-brain-sciences/phd-clinical-psychology-2/>)

- Doctor of Philosophy in the field of cognitive neuroscience (<http://bulletin.gwu.edu/arts-sciences/psychological-and-brain-sciences/cognitive-neuroscience-phd/>)

FACULTY

Professors: P. Barratt, I.A. Bowleg, J.M. Ganiban, G. Howe, H.N. Le, S. Mitroff, L.R. Offermann, J.W. Philbeck, P.J. Poppen, L.A. Rothblat, S. Shomstein (*Chair*), C.K. Sigelman, P. Wirtz, M.C. Zea

Associate Professors: D.P. Costanza, T.L. Dodge, S. Dopkins, C. Gee, S. Lambert, S.D. Molock, P.J. Moore, C.A. Rohrbeck, M.H. Sohn, M. Stock

Assistant Professors: C. Beil (*Research*), S. K. Calabrese, D.J. Kravitz, G. Rosenblau, D.E. Schell, E. Yeung

COURSES

Explanation of Course Numbers

- Courses in the 1000s are primarily introductory undergraduate courses
- Those in the 2000s to 4000s are upper-level undergraduate courses that also may be taken for graduate credit with permission and additional work assigned
- Those in the 6000s and 8000s are for master's, doctoral, and professional-level students
- The 6000s are open to advanced undergraduate students with approval of the instructor and the dean or advising office

Departmental prerequisite: PSYC 1001 General Psychology is prerequisite to all undergraduate psychology courses.

PSYC 1000. Dean's Seminar. 3 Credits.

The Dean's Seminars provide Columbian College first-year students focused scholarship on specific intellectual challenges. Topics vary by semester; see department for more details.

PSYC 1001. General Psychology. 3 Credits.

Fundamental principles underlying human behavior.

PSYC 1099. Variable Topics. 1-36 Credits.

PSYC 2011. Abnormal Psychology. 3 Credits.

Causes, diagnosis, treatment, and theories of various types of maladjustments and mental disorders. Prerequisite: PSYC 1001. Same As: PSYC 2011W.

PSYC 2011W. Abnormal Psychology. 3 Credits.

Causes, diagnosis, treatment, and theories of various types of maladjustments and mental disorders. Includes a significant engagement in writing as a form of critical inquiry and scholarly expression to satisfy the WID requirement. Prerequisite: PSYC 1001. Same As: PSYC 2011.

PSYC 2012. Social Psychology. 3 Credits.

Social foundations of behavior: cognition, motivation, role behavior, communication, small-group processes, and attitudes. Prerequisite: PSYC 1001.

PSYC 2013. Developmental Psychology. 3 Credits.

Introduction to the study of human development; theory and research concerning changes in physical, cognitive, and social functioning and influences on the developing individual. Prerequisite: PSYC 1001.

PSYC 2014. Cognitive Psychology. 3 Credits.

Introduction to the study of cognition; review of data and theories on the topics of perception, attention, memory, language, reasoning, and decision making. Prerequisite: PSYC 1001.

PSYC 2015. Biological Psychology. 3 Credits.

Introduction to the biological basis of behavior; review of data and empirical methods on the topics of neural structure and function, brain damage, neuroanatomy, genes, hormones, and their influence on behavior. Prerequisite: PSYC 1001.

PSYC 2099. Variable Topics. 1-12 Credits.**PSYC 2101. Research Methods in Psychology. 3 Credits.**

Survey of research designs (e.g., case studies, correlational designs, experiments), methods (e.g., questionnaires, observations), and measurement issues (e.g., reliability and validity). PSYC 1001 and STAT 1053 may be taken concurrently. Prerequisites: PSYC 1001 and STAT 1053.

PSYC 2199. Special Topics in Psychology. 3 Credits.

Special topics in psychology for students without advanced psychology background. Topics vary by semester. May be repeated once for credit provided the topic differs. See department for more details. Prerequisite: PSYC 1001. Credit cannot be earned for this course and PSYC 3199.

PSYC 2508. Humanistic Psychology. 3 Credits.

Critical examination of humanistic psychology. Emphasis on role of consciousness in human behavior. Philosophic foundations, existential, phenomenological, and transpersonal psychology. (Formerly PSYC 3108) Prerequisites: PSYC 1001.

PSYC 2514. Adult Development and Aging. 3 Credits.

Psychological aging and development during the adult years, with an emphasis on theories of adult development and research on changes in cognitive functioning and social adjustment in early, middle, and later adulthood. (Formerly PSYC 3114) Prerequisites: PSYC 1001.

PSYC 2529. Theories of Personality. 3 Credits.

Survey of personality theories; emphasis on their application to problems of individuals. (Formerly PSYC 3129) Prerequisites: PSYC 1001.

PSYC 2531. Psychological Tests. 3 Credits.

Survey of psychological tests and their more common uses in business, industry, government, law, medicine, and education. Material fee. (Formerly PSYC 3131) Prerequisites: PSYC 1001.

PSYC 2533. Autism. 3 Credits.

How the study of autism and related disorders may shed light on the characteristics of the mind; broad characteristics of autism spectrum disorders, including cognitive, behavioral, and neural aspects; definitions of typical vs. atypical development; and difficulties associated with diagnosis and treatment. Prerequisite: PSYC 1001.

PSYC 2541. Language Acquisition and Development. 3 Credits.

Theories of language acquisition; development of language from birth through adolescence; emphasis on development of semantics, syntax, morphology, and pragmatics; multicultural issues in language development. Laboratory fee. Prerequisites: PSYC 1001; and SPHR 1071 or SPHR 2135.

PSYC 2544. Industrial/Organizational Psychology. 3 Credits.

Psychological concepts and methods applied to problems of personnel management, employee motivation and productivity, supervisory leadership, and organizational development. Formerly PSYC 2144. Prerequisites: ORSC 1109 or PSYC 1001. (Same as ORSC 2544)

PSYC 2550. Psychology of Sex and Gender. 3 Credits.

Relevant biological, psychological, and sociological influences on males and females in the development of sex differences; hormonal differences, gender identity, differential socialization of masculinity/femininity roles. Prerequisites: PSYC 1001.

PSYC 2554. Psychology of Crime and Violence. 3 Credits.

Examination of many psychological aspects of criminal behavior; personality of criminals and of psychological processes affecting behavior. (Formerly PSYC 3154) Prerequisites: PSYC 1001.

PSYC 2556. Psychology of Attitudes and Public Opinion. 3 Credits.

Psychology of opinion formation, measurement of opinion, social determinants of attitudes, psychological processes in propaganda, bases of receptivity to propaganda, psychological warfare. (Formerly PSYC 3156) Prerequisites: PSYC 1001.

PSYC 2560. Group Dynamics. 3 Credits.

Relationship of the individual to groups, collectivities, and larger social systems. Theory, research, and applications of group and organizational processes. Prerequisites: ORSC 1109 or PSYC 1001. Same As: ORSC 2560.

PSYC 2570. Peer Education. 3 Credits.

This is a course designed to train George Washington University undergraduate students to be health peer educators. Students are trained in various topics related to mental health, physical health, and alcohol and/or other drugs, and gain the skills needed for outreach programming. Prerequisite: PSYC 1001.

PSYC 2571. Helping Skills. 3 Credits.

Training for undergraduate students preparing to be entry-level support professionals as a part of the GW Listens program or similar programs offering support to individuals who have mental and physical health issues. Prerequisite: PSYC 1001.

PSYC 2588. Attitudes Toward Death and Dying. 3 Credits.

Exploration of the many different aspects, attitudes, and experiences associated with the process of death and dying. (Formerly PSYC 3188) Prerequisites: PSYC 1001.

PSYC 2596. History and Systems of Psychology. 3 Credits.

A survey and integration of the major viewpoints and concepts of psychology. Recommended for students planning graduate study. (Formerly PSYC 4196) Prerequisites: PSYC 1001.

PSYC 2945. Psychological Study of Spirituality. 3 Credits.

The complex interrelationship between psychology and spirituality: health and wellness; development of a spiritual life; psychological factors involved in spirituality; therapy and multicultural issues. Formerly PSYC 3945. Prerequisite: PSYC 1001. Same As: REL 2945.

PSYC 3099. Variable Topics. 1-12 Credits.**PSYC 3112. Psychology of Adolescence. 3 Credits.**

Psychological characteristics and problems peculiar to adolescence, with emphasis on application of psychology to the solution of such problems. Prerequisite: PSYC 2101 and PSYC 2013.

PSYC 3115. Developmental Psychopathology. 3 Credits.

The origins of child psychopathology, including developmental perspectives and the potential contributions of child-, family-, and community-based characteristics to the emergence of psychopathology. The development of specific childhood disorders. Prerequisites: PSYC 2011 and PSYC 2101; or PSYC 2013.

PSYC 3116. Brain and Language. 3 Credits.

How the brain's production, understanding, and damage can interrupt neural processes with a variety of neurolinguistic consequences. Neuroimaging and behavioral research that informs understanding of bases of neurolinguistic communication disorders. Prerequisites: PSYC 1001.

PSYC 3118. Neuropsychology. 3 Credits.

Analysis of neural processes underlying behavior. Basic structure and functions of the nervous system, with emphasis on sensory processes, learning and memory, motivation, and emotion. Prerequisite: PSYC 2101 AND PSYC 2014 OR PSYC 2015.

PSYC 3119. Cognitive Science in the District. 3 Credits.

Study of cognitive psychology abilities, e.g., memory, attention, perception, and decision making, through primary research articles and class discussion. Students learn about the practical application of cognitive psychology through guest visitors. Prerequisites: PSYC 2014 or PSYC 2015.

PSYC 3120. Neuroscience of Consciousness. 3 Credits.

The phenomenon of human consciousness using the methods and concepts of neuroscience. Prerequisites: PSYC 1001 and PSYC 2014 or PSYC 2015. Recommended background: psychology or cognitive neuroscience major.

PSYC 3121. Memory and Cognition. 3 Credits.

An examination of the psychological processes underlying human memory and cognition. Topics cover theoretical and experimental issues involving a range of cognitive function from attention and pattern recognition to learning and memory. Prerequisites: PSYC 2014 OR PSYC 2015.

PSYC 3122. The Cognitive Neuroscience. 3 Credits.

How structure/functions of the brain relate to cognitive processes and behaviors. Research by cognitive psychologists, neuroscientists, neurophysiologists, neuropsychologists focusing on how the brain affects recognition, attention, memory, language. Restricted to undergraduate students Credit cannot be earned for this course and PSYC 8122.

PSYC 3124. Visual Perception. 3 Credits.

An overview of human perception, ranging from the detection of simple stimuli to the identification of objects and events; perceptions of color, motion, and spatial layout; research methodology, biological foundations, and theoretical issues. Prerequisites: PSYC 1001 and PSYC 2014 or PSYC 2015.

PSYC 3125. Cross-Cultural Psychology. 3 Credits.

Introduction to the theory, methods, and research of cross-cultural psychology, with emphasis on immigrants and ethnic minorities in the United States and on other cultures. Prerequisites: PSYC 2101 and PSYC 2011 or PSYC 2012.

PSYC 3126. Multicultural Psychology. 3 Credits.

Current psychological theories and research on culture, broadly defined including racial identity, ethnicity, gender, sexual orientation, privilege, health, mental health, disability and socioeconomic status. Culturally relevant communication styles. Prerequisites: PSYC 2101. Same As: PSYC 3126W.

PSYC 3126W. Multicultural Psychology. 3 Credits.

Current psychological theories and research on culture, broadly defined including racial identity, ethnicity, gender, sexual orientation, privilege, health, mental health, disability and socioeconomic status. Culturally relevant communication styles. Prerequisites: PSYC 2101. Includes a significant engagement in writing as a form of critical inquiry and scholarly expression to satisfy the WID requirement. Same As: PSYC 3126.

PSYC 3127. Social and Affective Neuroscience. 3 Credits.

The interface between social psychology and computational (social) neuroscience. Research methods and how research on social cognition, social interaction, emotions, and neuropsychological disorders can apply to real life settings and interventions. Prerequisites: PSYC 1001; and PSYC 2014 or PSYC 2015. Recommended background: Prior completion of PSYC 2012 and PSYC 2013.

PSYC 3128. Health Psychology. 3 Credits.

Current research in the area of health psychology, with special attention to psychological factors related to health and illness, psychological intervention with medical patients, and psychological approaches to illness prevention and health promotion. Prerequisite: PSYC 2101.

PSYC 3132. Social and Personality Development. 3 Credits.

Examination of personal, emotional, and social development from infancy to adolescence and influences on that development. Prerequisites: PSYC 2101; and PSYC 2011 or PSYC 2012 or PSYC 2013.

PSYC 3133. Autism. 3 Credits.

Clinical diagnosis and treatment of autism spectrum disorder epidemiology, etiology, and developmental factors, including neural and cognitive features. Viewed through the broader sociocultural context. Same As: SLHS 3133.

PSYC 3170. Clinical Psychology. 3 Credits.

An exploration of the history, functions, and concerns of the clinical psychologist. Assessment, treatment, community approaches, ethics. Prerequisite: PSYC 2011 and PSYC 2101.

PSYC 3172. Psychopathology and the Media. 3 Credits.

How abnormal behaviors and mental disorders are portrayed in film and the media, including analysis of the accuracy of these portrayals, focusing on symptomatology, etiology, and treatment of adult psychopathology. Prerequisites: PSYC 2011 and PSYC 2101.

PSYC 3173. Community Psychology. 3 Credits.

Origins and current practice of community psychology, and comparison of community psychological approaches with traditional clinical perspectives; the role of psychology in addressing social issues facing communities; methods for research and intervention targeting communities. Prerequisites: PSYC 2101; and PSYC 2011 or PSYC 2012 or PSYC 2013.

PSYC 3180. Seminar in Cognitive Science. 3 Credits.

Advanced seminar for undergraduate students focusing on recent developments in cognitive science. Topics vary and may include perception, attention, memory, representation, and cognitive control, as well as neural bases of cognitive processes. Prerequisites: One of the following: PSYC 3118, PSYC 3121, PSYC 3122, PSYC 3124, PSYC 4106W, or PSYC 4107W.

PSYC 3181. Introduction to Psychopharmacology. 3 Credits.

Neuroactive drugs presented in terms of their molecular, cellular, and neural actions and application to disorders. Drug development, including general strategies, methods, and challenges. Prerequisites: One of the following: BISC 2202, BISC 2220, BISC 2320, BISC 3165, BISC 3261, BISC 3320, CHEM 3165, or PSYC 2015. Recommended background: Some background in biochemistry, cellular metabolism, and/or basic neuronal function.

PSYC 3193. Seminar in Industrial/Organizational Psychology. 3 Credits.

Selected specialized topics in the field of psychology and work behavior, such as human ability and personality, decisions and risk behavior, organizational change, and leadership. May be repeated for credit. (Formerly PSYC 4193). Prerequisites: PSYC 1001 and PSYC 2544; or permission of the instructor.

PSYC 3195. Occupational Health Psychology. 3 Credits.

Overview of popular topics and theories in organizational and occupational health. Evaluating and implementing occupational health theories and methods. Analysis of behavioral, psychological, and social factors underlying health and well-being. Restricted to majors and minors in the organizational science and psychology programs, or with the permission of the instructor. Prerequisites: ORSC 1109 or PSYC 1001. Recommended background: Knowledge of organizational science, psychology, public health, business management/human resource management. Same As: ORSC 3195.

PSYC 3198. Current Research Issues. 3 Credits.

Recent studies in psychology, including studies performed by members of the class; emphasis on student participation. May be repeated once for credit. Prerequisites: PSYC 1001 and PSYC 2101.

PSYC 3199. Current Topics in Psychology. 3 Credits.

Topics vary by semester. May be repeated once for credit provided the topic differs. Consult the Schedule of Classes for more details. Prerequisites: PSYC 1001.

PSYC 3591. Supervised Research Internship. 1-3 Credits.

Open to qualified students with permission of a supervising faculty member. Arrangements must be made with the faculty supervisor prior to registration; a list of participating faculty members and their research specialties is available from the department. May be repeated for credit; PSYC 3591 and PSYC 4591 combined may be taken for a total of 9 credits maximum. Prerequisites: PSYC 1001 and PSYC 2101.

PSYC 3592. Field Internship. 3 Credits.

Advanced psychology students spend at least six hours per week in a supervised internship in a local mental health, rehabilitation, school, or community setting. May be repeated for credit but the repeat enrollment does not count toward the degree. Restricted to psychology students. Prerequisites: PSYC 1001.

PSYC 4106W. Research Lab in Sensation and Perception. 4 Credits.

Capstone course focused on the study of sensation and perception. Students examine previous research, design and carry out research projects, and write psychological research reports. Includes a significant engagement in writing as a form of critical inquiry and scholarly expression to satisfy the WID requirement. Laboratory fee. Prerequisites: PSYC 1001 and PSYC 2101; and PSYC 2014 or PSYC 2015.

PSYC 4107W. Research Lab in Cognitive Neuroscience. 4 Credits.

A capstone course focused on the study of cognitive neuroscience in which students examine previous research, design and carry out research projects, and write psychological research reports. Includes a significant engagement in writing as a form of critical inquiry and scholarly expression to satisfy the WID requirement. Laboratory fee. Prerequisites: PSYC 1001 and PSYC 2101; and PSYC 2014 or PSYC 2015.

PSYC 4201W. Research Lab in Clinical/Community Psychology. 4 Credits.

A capstone course focused on the study of clinical/community psychology in which students examine previous research, design and carry out research projects, and write psychological research reports. Includes a significant engagement in writing as a form of critical inquiry and scholarly expression to satisfy the WID requirement. Laboratory fee. Prerequisites: PSYC 1001 and PSYC 2101; and PSYC 2011 or PSYC 2012 or PSYC 2013.

PSYC 4202W. Research Lab in Applied Social Psychology. 4 Credits.

A capstone course focused on the study of topics in applied social psychology, such as discrimination and health, in which students examine previous research, design and carry out research projects, and write psychological research reports. Includes a significant engagement in writing as a form of critical inquiry and scholarly expression to satisfy the WID requirement. Laboratory fee. Prerequisites: PSYC 1001 and PSYC 2101; and PSYC 2011 or PSYC 2012 or PSYC 2013.

PSYC 4203W. Research Lab in Developmental Psychology. 4 Credits.

A capstone course focused on the study of developmental psychology in which students examine previous research, design and carry out research projects, and write psychological research reports. Includes a significant engagement in writing as a form of critical inquiry and scholarly expression to satisfy the WID requirement. Laboratory fee. Prerequisites: PSYC 1001 and PSYC 2101; and PSYC 2011 or PSYC 2012 or PSYC 2013.

PSYC 4285. Foundations of Experimental Neuroscience. 3 Credits.

Current theories of cognitive neuroscience; the link between transduction of sensory input to behavior output, link between cortical circuits and complex cognition and behavior, and development of these circuits during embryonic, fetal, and early post-natal development. Prerequisites: BISC 2220 or BISC 2320 or PSYC 2015 or PSYC 3118 or PSYC 3122. (Same as NRSC 8285)

PSYC 4591. Independent Research. 1-3 Credits.

Open to qualified students by permission to pursue an independent research project with the supervision of a faculty member ; arrangements must be made with the sponsoring faculty member prior to registration. May be repeated for credit; PSYC 3591 and PSYC 4591 may be taken for a total of 9 credits maximum. (Formerly PSYC 4191) Restricted to . Prerequisites: PSYC 1001 and PSYC 2101.

PSYC 4997. Honors Seminar. 3 Credits.

Selected topics in psychology that change each semester. Intended primarily for students in the Special Honors program in psychology. May be repeated once for credit. Prerequisites: PSYC 1001 and PSYC 2101. (Formerly PSYC 4197)

PSYC 5099. Variable Topics. 1-99 Credits.

PSYC 6999. Thesis Research. 3 Credits.

PSYC 8122. Cognitive Neuroscience. 3 Credits.

How structure/functions of the brain relate to cognitive processes and behaviors. Research by cognitive psychologists, neuroscientists, neurophysiologists, neuropsychologists focusing on how the brain affects recognition, attention, memory, language. Restricted to graduate students. Credit cannot be earned for this course and PSYC 3122.

PSYC 8202. Psychological Research Methods and Procedures. 3 Credits.

Required in all graduate psychology programs. Includes philosophy of science, types of research design, and methods of data collection. Restricted to graduate students. Prerequisites: One laboratory course in psychology, and a course in statistics.

PSYC 8203. Experimental Foundations of Psychology: Learning, Memory, and Cognition. 3 Credits.

Current conceptions of learning, memory, and cognition; the research upon which these conceptions are based; applications to practical contexts. Restricted to graduate students.

PSYC 8204. Experimental Foundations of Psychology: Biological Basis of Behavior. 3 Credits.

Introduction to the structure and function of the nervous system. Topics include neural communication, sensory processes, memory, neuroendocrinology of sex differences and stress, psychiatric and neurodegenerative disorders. Restricted to graduate students.

PSYC 8205. Multiple Regression Analysis in Psychological and Social Sciences. 3 Credits.

Theory and practical application of multiple regression analysis involving continuous outcomes, and more advanced analyses including, but not limited to, estimating models with categorical or counted outcomes. Restricted to graduate students. Prerequisites: PSYC 8202.

PSYC 8206. Multivariate Analysis and Modeling. 3 Credits.

Advanced statistical methods for multivariate analysis and causal modeling, including confirmatory factor analysis and structural equation modeling of change, mediation, and moderation. Restricted to graduate students. Prerequisites: PSYC 8202 and PSYC 8205.

PSYC 8207. Psychological Assessment I. 3 Credits.

Theoretical and clinical aspects of assessment; includes interviewing, psychometric tests, and projective techniques. Two-hour laboratory—diagnostic work at clinical facilities. Material fee. Restricted to students in the PhD in clinical psychology program.

PSYC 8208. Psychological Assessment II. 3 Credits.

Continuation of PSYC 8207. Theoretical and clinical aspects of assessment; includes interviewing, psychometric tests, and projective techniques. Two-hour laboratory—diagnostic work at clinical facilities. Material fee. Restricted to students in the clinical psychology program.

PSYC 8210. Developmental Theories and Issues. 3 Credits.

Orientation to the field of developmental psychology, with emphasis on traditional and contemporary theories, fundamental concepts and issues, and methodological approaches. Restricted to graduate students.

PSYC 8211. Community Psychology I. 3 Credits.

Survey of the history, theories, and values guiding community psychology; models of service delivery. Restricted to graduate students.

PSYC 8212. Community Psychology II. 3 Credits.

Continuation of PSYC 8211. Applications of the principles and theories of community psychology to interventions and research. Restricted to graduate students. Prerequisite: PSYC 8211.

PSYC 8218. Evidence-Based Interventions. 3 Credits.

Introduction to theory and technique of psychotherapeutic approaches of proven effectiveness. Restricted to graduate students.

PSYC 8219. Group Dynamics. 3 Credits.

PSYC 8220. Ethics and Professional Issues. 3 Credits.

The foundations of ethics and ethical decision making, with an emphasis on the APA Ethics Code. Ethical conflicts and issues in the areas of research and practice. Restricted to graduate students.

PSYC 8223. Seminar: Human Memory. 3 Credits.

Selected topics of current research interest in the area of human memory. Emphasis on encoding and retrieval processes, amnesia, and disorders of memory. Restricted to graduate students.

PSYC 8225. Behavioral Approaches to Child Assessment and Therapy. 3 Credits.

Child assessment and treatment from a behavioral viewpoint. The application of conditioning, reinforcement, and shaping principles with reference to specific disorders of childhood. Restricted to graduate students.

PSYC 8227. Seminar: Principles of Psychotherapy. 3 Credits.

For graduate students in clinical psychology. Patient's needs and demands on the therapist. Case participation heavily relied upon. Prerequisite: PSYC 8218.

PSYC 8228. Seminar: Principles of Psychotherapy. 3 Credits.

Continuation of PSYC 8227. For graduate students in clinical psychology. Patient's needs and demands on the therapist. Case participation heavily relied upon. Prerequisite: PSYC 8218.

PSYC 8231. Development of Psychometric Instruments. 3 Credits.

Quantitative techniques and principles used in construction, standardization, and evaluation of personality and ability measures for research and practice; quantification of human judgment for measurement purposes. Restricted to graduate students. Prerequisites: course in tests and measurements and an elementary course in statistics.

PSYC 8236. Ethnic and Racial Diversity in Psychology. 3 Credits.

Basic theoretical models of research in ethnic, racial, and cultural diversity and new directions in the field. The impact of being an ethnic minority in the United States. Restricted to graduate students.

PSYC 8237. The Practice of General Psychology I. 3 Credits.

Application of psychological principles and findings to a wide spectrum of human problems. Professional issues facing the psychologist offering services. Participation in the development, implementation, and evaluation of applied psychological services and projects. Restricted to students in the clinical psychology program.

PSYC 8238. The Practice of General Psychology II. 3 Credits.

Continuation of PSYC 8237. Application of psychological principles and findings to a wide spectrum of human problems. Professional issues facing the psychologist offering services. Participation in the development, implementation, and evaluation of applied psychological services and projects. Restricted to students in the clinical psychology program.

PSYC 8239. Lifespan Developmental Psychopathology I. 3 Credits.

Infancy, childhood, and adolescence. Restricted to graduate students.

PSYC 8240. Lifespan Developmental Psychopathology II. 3 Credits.

Continuation of PSYC 8239. Restricted to graduate students.

PSYC 8243. Seminar: Psychology of Leadership in Organizations. 3 Credits.

Theories and issues related to the emergence and effectiveness of leaders, with focus on leadership behaviors and processes in organizations. Restricted to graduate students.

PSYC 8244. Theories and Processes of Organizational Management. 3 Credits.

Basic functions and techniques of organizational management—design, control, direction, and decision making—examined from the viewpoint of behavioral science. Restricted to graduate students.

PSYC 8245. Seminar: Organizational Behavior. 3 Credits.

Analysis of organizational behavior; emphasis on motivation and productivity. Recent research on employee attitudes, primary group, supervisory leadership, formal and informal organization, job design. Restricted to graduate students.

PSYC 8246. Seminar: Personnel Evaluation Techniques. 3 Credits.

Techniques of personnel selection and performance evaluation. Employment tests, personal data, assessment interviews, performance ratings, and assessment centers. Federal guidelines in employee selection. Includes practicum. Restricted to graduate students.

PSYC 8248. Research Applications to Organizational Intervention and Change. 3 Credits.

Emphasis on development of models of organizational effectiveness; design of valid diagnostic instruments; implementation of research strategies; establishment of program evaluation criteria. Restricted to graduate students.

PSYC 8250. Foundations in Cognitive Neuroscience. 3 Credits.

Advanced topics in the fundamentals of cognitive neuroscience; attention, memory, scene processing, space perception, decision making, and social and affective functioning. Restricted to graduate students. Recommended background: a working knowledge of cognitive psychology concepts and core neuronal physiology.

PSYC 8251. Behavioral Neuroscience. 3 Credits.

The neural basis of behavior, with special focus on the psychobiological determinants of learning, memory, and cognition. Methodologies used for different levels of analysis with normal and brain-impaired subjects. Restricted to graduate students.

PSYC 8253. Social Cognition. 3 Credits.

Social psychology theories, conceptual approaches, and their applications. Social cognition, person perception, attribution, information processing, attraction, stereotyping. Restricted to graduate students.

PSYC 8254. Social Influence. 3 Credits.

Social psychology theories, conceptual approaches, and their applications. Analysis of intentional and unintentional social influence processes and their effects on behavior. Current research on conformity, social power, social exchange, and impression management. Restricted to graduate students.

PSYC 8255. Attitudes and Attitude Change. 3 Credits.

Current theory and research on attitudes and attitude change. Restricted to graduate students.

PSYC 8256. Introduction to Survey Research. 3 Credits.

Theory and practice of face-to-face telephone and mail surveys. Practical experience with all stages from the formulation of research questions and hypotheses to questionnaire design, sampling, pilot testing, interviewing, coding, and data cleaning. Prerequisite: STAT 2105 .

PSYC 8257. Current Topics in Social Psychology. 3 Credits.

Advanced seminar with focus on major theoretical approaches, research, or problem areas within field of social psychology. Topic changes each semester. Restricted to graduate students.

PSYC 8258. Qualitative Research and Analysis. 3 Credits.

Qualitative research and analysis with a focus on theory, didactic material relevant to qualitative methodologies, and applied qualitative research design and analysis. Restricted to graduate students.

PSYC 8259. Psychology of Individual and Group Decision Making. 3 Credits.

Examination of processes in organizational decision making and group behavior. Topics include group and individual decision-making approaches, decision aids and support systems, performance and decision effectiveness, and risk analysis. Restricted to graduate students.

PSYC 8260. Psychology of Work Group Development. 3 Credits.

Examination of theory and research on groups as task performance systems. Approaches to team development as a means of improving work group effectiveness, including goal setting, role clarification, increasing interpersonal skills, and conflict resolution. Restricted to graduate students.

PSYC 8268. Seminar: Neuropsychology. 3 Credits.

Selected problems in research relating the brain and behavior. Independent topics each semester, such as sensory processing, brain development and behavior, clinical aspects of nervous system function. Restricted to graduate students.

PSYC 8275. Women and Health. 3 Credits.

Theoretical and empirical analyses of women's health: how women's health is constructed by medical, psychological, and critical theorists; how sexism, racism, and classism contribute to women's health problems; and identification of conditions that lead to optimal health and well-being. Restricted to graduate students. (Same as WGSS 8275)

PSYC 8277. Health Psychology. 3 Credits.

Social psychological theories and research that relate to health and illness. Application of theories of social learning, attribution, attitude change, and social influence to topics such as health promotion and disease prevention, health compliance, and coping with illness and disability. Restricted to graduate students.

PSYC 8279. Special Topics in Health Psychology. 3 Credits.

May be repeated for credit provided the topic differs. Admission by permission of instructor. Restricted to graduate students.

PSYC 8280. Theories and Practice of Clinical Supervision. 0 Credits.

Theory and practice of clinical supervision through instruction and a supervision practicum in the clinical facilities. Restricted to clinical psychology graduate students.

PSYC 8283. First Year Seminar I: Motivational Interviewing. 0 Credits.

This course develops in clinical psychology doctoral students basic skills necessary for therapeutic effectiveness through motivational interviewing and familiarizes them with goals and values in their clinical training. Restricted to students in the clinical psychology program.

PSYC 8284. First Year Seminar II: Introduction to Therapy. 0 Credits.

Clinical psychology doctoral students gain basic familiarity with assessment and psychotherapy practices and understanding of the inner workings of the Meltzer Center clinic. Restricted to students in the clinical psychology program.

PSYC 8285. History and Systems of Psychology. 0 Credits.

Clinical psychology doctoral students engage in self-study of the history and systems of psychology. Restricted to students in the clinical psychology program.

PSYC 8286. Clinical Psychology Externship. 0 Credits.

Clinical psychology doctoral students participate in externship placements in clinical settings to develop their clinical skills and competencies. Restricted to students in the clinical psychology program.

PSYC 8287. Current Topics in Clinical Psychology. 3 Credits.

Advanced seminar with focus on major theoretical approaches, research, or problem areas. Topics vary. May be repeated for credit. Restricted to Graduate students only.

PSYC 8288. Current Topics in Industrial/Organizational Psychology. 3 Credits.

Advanced seminar with focus on major theoretical approaches, research, or problem areas. Topics vary. May be repeated for credit. Restricted to graduate students.

PSYC 8289. Seminar: Current Topics in Experimental Psychology. 3 Credits.

Topics vary by semester. May be repeated for credit provided topic differs. See department for more details. Restricted to graduate students.

PSYC 8291. Theories of Organizational Behavior. 3 Credits.

Examination of current theoretical models and research. Restricted to graduate students.

PSYC 8295. Independent Research. 3 Credits.

Individual library or experimental research under supervision of staff member. Arrangements must be made with sponsoring faculty member prior to registration. May be repeated for credit. Restricted to Psychology graduate students only.

PSYC 8998. Advanced Reading and Research. 1-12 Credits.

May be repeated for credit. Restricted to doctoral candidates preparing for the major field examination.

PSYC 8999. Dissertation Research. 3-12 Credits.

May be repeated for credit. Restricted to PhD students in the psychology program.