

# The School of Science and Engineering

## Psychology

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### Professors

*Gary P. Dohanich*, Ph.D., Michigan State (The John Madison Fletcher Professor of Psychology)

*Jeffrey J. Lockman*, Ph.D., Minnesota

*Janet B. Ruscher*, Ph.D., Massachusetts, Amherst (Chair)

### Associate Professors

*Terry E. Christenson*, Ph.D., California, Berkeley

*Paul J. Colombo*, Ph.D., California, Berkeley

*Michael Cunningham*, Ph.D., Emory

*Stacy Overstreet*, Ph.D., Tulane

*C. Chrisman Wilson*, Ph.D., South Carolina

### Assistant Professors

*David M. Corey*, Ph.D., Tulane

*Jill M. Daniel*, Ph.D., Tulane

*Edward J. Golob*, Ph.D., Dartmouth

*Lisa A. Molix*, Ph.D., Missouri

*Laurie T. O'Brien*, Ph.D., Kansas

*Lisa Szechter*, Ph.D., Pennsylvania State

*R. Enrique Varela*, Ph.D., Kansas

### Professors of Practice

*Julie A. Alvarez*, Ph.D., Emory

*Thomas Hebert*, Ph.D., Tulane

*Carrie Wyland*, Ph.D., Dartmouth

### Emeritus

*Lawrence Dachowski*, Ph. D., Illinois

*Arnold A. Gerall*, Ph.D., Iowa State

*Barbara E. Moely*, Ph.D., Minnesota

*Edgar C. O'Neal*, Ph.D., Missouri

### MAJOR

The following are required for the major in psychology: PSYC100, H101 or 102; PSYC209; 23 credits of 300 level or above psychology courses, including a capstone experience; two psychology laboratory courses (209 excluded); and courses to meet the departmental distribution requirements. For the distribution, one course must be taken from each of the three following areas: psychobiology: 367, 368, and 370; social, developmental, and cognitive processes: 321, 324, 325, 331, 339, 340, 343, and 363; and applications and techniques: 301, 313, 318, 320, 333, 334, 365, 371, 373, 611, 613, and 650. In addition, students majoring in psychology must complete the math courses necessary for the BS, one SSE laboratory course (and its co requisite) outside of PSYC, and two 3 cr. non laboratory SSE courses that are outside (but may be cross-listed with) PSYC.

By petitioning the department curriculum committee, the student majoring in psychology may substitute 6 credits above the introductory level taken in another SSE department for one of the required 300-level non-laboratory psychology electives.

### MAJOR IN PSYCHOLOGY AND EARLY CHILDHOOD EDUCATION

A coordinate major in psychology and early childhood education is possible by completing the following courses: Psychology 100 or H101 or 102, 209, 318, 320, 321, 323, 325, 326, 334, 335, PSYC 365 or Sociology 103, and one course from the psychobiology group. Students also must complete a series of education courses in early childhood education. Refer to the Office of Teacher Preparation and Certification for a description of these courses and other requirements. Note that the PYSE major is a B.S. degree, and therefore requires the requisite MATH courses.

## MINOR

A minor in psychology requires Psychology 100, H101 or 102; 209; a psychology laboratory course (beyond 209); and two additional three or four-credit psychology courses at or above the 300 level.

## INTRODUCTORY COURSES

### PSYC 100 Introductory Psychology (3)

Prof. Alvarez, Prof. Hebert, Prof. Wyland. Fundamentals of contemporary psychology, including topics such as scientific methodology, heredity and behavior, principles of learning, physiological substrates of behavior, perception, social interaction, and mental health. Students may receive credit for only one introductory course: 100, H101 or 102.

### PSYC H101 Seminar in General Psychology (4)

Staff. Basics of psychology including topics such as scientific methodology, physiological bases of behavior, behavioral and cognitive development, animal behavior, psychological testing, social perception and influence, disorders of behavior and affect, and applications of psychology. Discussions, lectures, demonstrations, and an emphasis on writing. Enrollment limited to twenty freshmen. Students may receive credit for only one introductory course: 100, H101 or 102.

### PSYC 102 Intensive General Psychology (3)

Staff. Lectures, demonstrations, writing, and small group discussion focusing on the fundamentals of contemporary psychology. These topics include learning, perception, development, motivation, and social psychology. Participation in weekly small group discussions is required. Students may receive credit for only one introductory course: 100, H101 or 102.

## LECTURE COURSES

### PSYC 301 Introduction to Personality (3)

Staff. Prerequisite: PSYC 100, H101 or 102. An introductory survey of theories and measurement in personality.

### PSYC 320 Educational Psychology (3)

Prof. Szechter, Prof. Wilson. Prerequisite: PSYC 100, H101 or 102. Examines psychological principles applied to educational practices with special emphasis on cognition. Its purpose is to help adults working with children to understand better the

relationship between applied educational practices and psychological principles and research. Includes observational assignments in schools.

### PSYC 321 Child Psychology (3)

Prof. Lockman. Prerequisite: PSYC 100, H101 or 102. A survey of the concepts, principles, and major findings of research on human development.

### PSYC 323 Nursery School Observation (3)

Staff. Prerequisite: PSYC 321 Lecture, one hour; laboratory, two hours. Students must reserve weekly two one-hour periods between 9 a.m. and noon or 1 and 4 p.m. for nursery school observation. Does not satisfy, in part, the laboratory requirement for the psychology major. For students in the coordinate psychology and early childhood education major PSYC 323 satisfies, in part, the departmental laboratory requirement.

### PSYC 324 Urban Child Development (3)

Prof. Overstreet. Prerequisite: PSYC 321. Corequisite: PSYC 388 or PSYC 389. A survey of psychological theories and recent research concerning the lives of city children, focusing on what theory and research tell us about how aspects of the urban environment affect children's academic, social, and personal development. Students must take either the writing practicum course or the service learning course but not both.

### PSYC 325 The Psychology of Early Childhood (3)

Staff. Prerequisite: PSYC 100, H101 or 102. An investigation of educational programs for young children and/or parents of young children based on cognitive developmental theory, learning theory, and others. Curriculum development and the evaluation of program effectiveness are discussed.

### PSYC 326 Infancy (3)

Prof. Lockman. Prerequisite: PSYC 321. The cognitive, perceptual, and social development of the human infant are reviewed. Research findings and methods are emphasized.

### PSYC 331 Introduction to African-American Psychology (3)

Prof. Cunningham. Prerequisite: PSYC 100, H101 or 102. A study of a wide range of topics relating to psychology generally, and African Americans specifically. Topics include personality, education, psychological assessment, racism, psychology in communities, and research.

**PSYC 333 Abnormal Psychology (3)**

Prof. Wilson. Prerequisites: PSYC 100, H101 or 102, and sophomore standing. An introduction to the psychological aspects of the behavior disorders.

**PSYC 334 Developmental Psychopathology (3)**

Prof. Overstreet, Prof. Varela. Prerequisite: PSYC 321. Corequisite: 389. An introduction to clinical disorders and exceptionalities occurring in childhood and adolescence. The course requires a practical experience involving two hours per week in area schools or community organizations. Concurrent registration for one hour service learning credit in psychology is required.

**PSYC 335 Nursery School Principles (3)**

Staff. Prerequisite: PSYC 323 or approval of instructor. Lecture, two hours; laboratory, six hours. A study of the basic principles involved in guiding the behavior of preschool children. Students must reserve six hours a week between 9 a.m. and noon or 1 and 4 p.m. for work in the nursery school. Students should apply to instructor at least one semester in advance. Satisfies, in part, psychology laboratory requirement only for students graduating in the Teacher Certification Program. Spring semester only.

**PSYC 339 Adolescent Psychology (3)**

Prof. Cunningham. Prerequisite: PSYC 100, H101 or 102. A study of development through the adolescent years. Emphasis is on cognitive, social, physical, moral, sexual, and political development.

**PSYC 340 Child and Adolescent Social Development (3)**

Staff. Prerequisites: PSYC 100, H101 or 102. This course focuses on critical topics that are related to a child becoming a healthy functioning social being. These topics include: biological contributions, temperament, attractiveness, attachment, gender differences, parenting styles, sibling relationships, peer relations, moral development, aggressiveness, identity, and schools.

**PSYC 343 Introduction to Social Psychology (3)**

Prof. Molix, Prof. O'Brien, Prof. Ruscher. Prerequisite: 100, H101 or 102. The individual in a social context: the nature and measurement of attitudes, social perception, interpersonal and intergroup relations.

**PSYC 363 Psychology and Women's Health (3)**

Staff. Prerequisite: PSYC 100, H101 or 102. This course will focus on factors which impact women's health. A review on how women's health differs from men's health will provide the basis for more in depth discussion of diseases and health issues that are specific to women. The psychosocial factors which influence health in women will be covered in detail.

**PSYC 365 Family Psychology and Psychopathology (3)**

Prof. Varela. Prerequisites: PSYC 100, H101 or 102 and prefer PSYC 340. This course is designed to familiarize students with current conceptual issues relating to family psychology and psychopathology. The course will focus on research and issues in selected topics in the development of the family. It is intended to give the student a sense of the breadth and depth of some of the major issues in the field of family psychology/psychopathology. The topics include the family life-cycle, family identity, family transitions, intergenerational issues, risk/resiliency factors, and the structural model of families.

**PSYC 367 Brain and Behavior (3)**

Prof. Colombo, Prof. Daniel, Prof. Dohanich. Prerequisite: PSYC 100, H101 or 102. Lectures cover the function and structure of the nervous system and the role of brain activity in the regulation of behavior. This course provides psychology majors with a first exposure to the biological bases of behavior and is not recommended for students who have taken other courses in this area of study. Credit may not be received for both CELL 123 or PSYC 367. Same as NSCI 367.

**PSYC 368 Comparative Animal Behavior (3)**

Prof. Christenson. Prerequisite: PSYC 100, H101 or 102 or EBIO 101. A lecture course to introduce the types of questions asked by animal behaviorists, theoretical disciplines posing those questions, and recent research in behavior as related to the environment, social behavior, and reproduction. Designed for PSYC and EEB majors. Same as EBIO 368.

**PSYC 370 Evolution and Psychology (3)**

Prof. Christenson. Prerequisites: PSYC 100, H101 or 102 or EBIO 101. Lecture course exploring human behavior and cognition from an evolutionary perspective. Topics include evolutionary mechanisms, history of evolution in psychology, and the adaptive nature of sensory processes, language, social

behaviors, reproduction and psychopathology. Same as EBIO 370.

**PSYC 371 Introduction to Industrial Organizational Psychology (3)**

Staff. Prerequisite: PSYC 100, H101 or 102. A survey of major topics in personnel and organizational psychology as applied to business, industry, and government.

**PSYC 373 Advanced Organizational Psychology (3)**

Staff. Prerequisite: PSYC 371 or approval of instructor. Advanced study of major theories, research, and intervention in the area of organizational psychology. Coverage includes such topics as job attitudes, work motivation, leadership, organizational climate/culture, job design, and work group/team processes.

**PSYC 376 Interpreting Minds (3)**

Prof. Bogdan. This course provides a systematic introduction to the recent and very dynamic interdisciplinary research area in naïve psychology or theory of mind. The course begins with the philosophical debates about naïve or folk psychology and the key philosophical concepts that have shaped the research agenda, then surveys the main empirical data, key experiments and hypotheses about ape and child interpretation of minds, and concludes with a comparative analysis of several and much debated proposals about how the interpretation of minds is accomplished-through innate mechanisms (modules), by simulation or in terms of a naïve theory. Same as PHIL 376.

**PSYC 443 Applied Social Psychology (3)**

Prof. Ruscher. Prerequisites: PSYC 209, 343, and junior standing. Applies the theories and methodology of social psychology to areas such as the legal system, sports psychology, violence against women, the media, health psychology, and political psychology.

**PSYC 461 Black Youth: Developmental Psychology Perspectives (3)**

Prof. Cunningham. Prerequisite: PSYC 321 or 339. Corequisite: PSYC 388. A study of major research findings with African-American children and adolescents. The course includes a participant-observer experience in the applied setting (e.g., school, group home). Intensive writing required.

**PSYC 470 Seminar in Evolution of Reproductive Strategies (3)**

Prof. Christenson. Prerequisites: EBIO 368 or PSYC 368 and approval of instructor. Discussion of the evolution and ecology of reproductive strategies. Topics include costs and benefits of sexual reproduction, sexual selection, sperm competition and mating systems. Same as EBIO 470.

**PSYC 472 Seminar in Evolutionary Psychology (3)**

Prof. Christenson. Prerequisites: PSYC 370 and approval of instructor. Discussion of the evolution of human behavior and cognition. Topics include comparative cognition and social behavior, and human cognition and language, reproductive behavior and psychopathology. Each student writes a paper and presents it in class.

**LABORATORY COURSES**

**PSYC 209 Psychological Applications of Univariate Statistics I (4)**

Prof. Corey, Prof. Ruscher. Prerequisite: PSYC 100, H101 or 102 and sophomore status. Lectures and laboratory in design of experiments, psychological measurement, and deriving conclusions from experimental data. Same as PSYC 609. Does not satisfy, in part, the psychology laboratory requirement.

**PSYC 313 Experimental Psychology (4)**

Prof. Corey, Prof. Wyland. Prerequisite: PSYC 209. Lectures and laboratory in design of experiments, quasi-experimental designs, control of variables, scientific communication, and application of statistical procedures. Satisfies, in part, the psychology laboratory requirement.

**PSYC 318 Psychological Testing and Measurement (4)**

Prof. Alvarez. Prerequisite: PSYC 209. A survey of the nature, extent, and measurement of individual differences. Practice is given in the administration, scoring, and interpretation of a variety of types of tests with particular emphasis on techniques in contemporary use. Satisfies, in part, the psychology laboratory requirement.

**PSYC 322 Research Methods in Developmental Child Psychology (4)**

Staff. Prerequisites: PSYC 209 and 321. Experimental approaches to the study of human development, directed

research, and application of statistical procedures. Satisfies, in part, the psychology laboratory requirement.

**PSYC 344 Experimental Social Psychology (4)**

Prof. O'Brien, Prof. Ruscher. Prerequisites: PSYC 209 and 343 or approval of instructor. Laboratory and field experiments in interpersonal relations, social roles, and attitude change. Satisfies, in part, the psychology laboratory requirement.

**PSYC 345 Research Methods in Social Cognition (4)**

Prof. Ruscher. Prerequisites: PSYC 209 and 343. Students conduct and critique laboratory experiments in cognitive social psychology. Satisfies, in part, the psychology laboratory requirement.

**PSYC 381 Laboratory for Topics in Psychology (1)**

Staff. Corequisite: PSYC 380. Requires permission of instructor. Taken concurrently with PSYCH 380 special topics, PSYC 381 will include the basic elements of research design, the methodologies particular to the topic area, and writing research reports in the style of the American Psychological Association. Satisfies, in part, the psychology laboratory requirement.

**PSYC 480 Special Topics in Psychology with Laboratory (4)**

Staff. Prerequisite: 209. A special topics course in psychology with a laboratory component. The particular topic will be based on faculty and student interest. The course will include the basic elements of research design, the methodologies particular to the topic area, and writing research reports in the style of the American Psychological Association. Satisfies, in part, the psychology laboratory requirement.

**PSYC 481, 482 Independent Project Laboratory (4, 4)**

Staff. For individual research project done with a department faculty member. Generally includes hypothesis generation, design, consideration of ethical issues, data gathering, inferential analysis and the writing of work in acceptable scientific (APA) format. Satisfies, in part, the psychology laboratory requirement.

**PSYC H500 Honors Thesis (4)**

Staff. For senior honors candidates. Intensive reading and research in selected fields of psychology. Satisfies, in part, the psychology laboratory requirement.

**PSYC 652 Biological Psychology Laboratory (1)**

Prof. Hebert.. Corequisite: PSYC 651. Prerequisite: PSYC 209. A laboratory course providing training in behavioral and neurobiological methods, experimental design, data collection and analysis and preparation of research reports. Satisfies, in part, the psychology laboratory requirement. Fulfills college laboratory and writing requirements. Same as NSCI 652.

**PSYC 654 Psychopharmacology Laboratory (1)**

Prof. Hebert.. Corequisite: PSYC 653. Prerequisite: PSYC 209. Laboratories provide demonstration and hands-on experience in research methods used in contemporary psychopharmacology including receptor measurement, models of drug abuse and psychopathology, data analysis, and manuscript preparation. Satisfies psychology laboratory requirements. Satisfies, in part, college laboratory requirement. Same as NSCI 654.

**PSYC 656 Behavioral Neuroendocrinology Laboratory (1)**

Prof. Hebert. Corequisite: PSYC 655. Prerequisite: PSYC 209. Laboratories provide demonstration and hands-on experience in research methods used in contemporary neuroendocrinology including hormonal manipulation, behavioral measurement, data analysis, and manuscript preparation. Satisfies, in part, psychology laboratory requirement. Satisfies college laboratory requirement. Same as NSCI 656.

**PSYC 658 Cognitive Neuroscience Laboratory (1)**

Prof. Hebert. Corequisite: PSYC 657. Prerequisites: PSYC 209 and PSYC 367 or approval of instructor. A laboratory course in which students will be introduced to the methods of cognitive neuroscience, including neural networks, event-related potentials, and functional magnetic resonance imaging. Students will design and carry out simple cognitive experiments to examine issues of hemispheric laterality. Satisfies, in part, psychology laboratory requirement. Satisfies college laboratory requirement. Same as NSCI 658.

**PSYC 660 Stress and Trauma Laboratory (1)**

Prof. Overstreet. Corequisite: PSYC 659. Prerequisites: PSYC 209. In this laboratory course students will complete an empirical research project on a subject within the field of stress and trauma. Satisfies, in part, psychology laboratory requirement.

## **SPECIAL TOPICS AND PROJECTS COURSES**

### **PSYC 351, 352 Special Projects in Psychology (1-3, 1-3)**

Staff. Prerequisite: approval of supervising faculty member. Supervised research activity.

### **PSYC 380 Topics in Psychology (3)**

Staff. Various topics in psychology based on faculty and student interest.

### **PSYC 388 Writing Practicum (1)**

Staff. Corequisite: three-credit departmental course. Prerequisite: successful completion of the First-Year Writing Requirement. Fulfills the college intensive-writing requirement.

### **PSYC 389 Service Learning (1)**

Staff. Students complete a service activity in the community in conjunction with the content of the corequisite course.

### **PSYC 456, 457 Internship in Psychology (3)**

Staff. Prerequisites: psychology major, junior or senior standing, GPA of 3.00 or higher, completed application to Center for Public Service. Students will complete 90 hours of service in a community setting in which they will use the knowledge of psychology to complete a project or paper of benefit to the community site.

### **PSYC 491, 492 Independent Studies (1-3, 1-3)**

Staff. By approval of faculty member.

### **PSYC H499-H500 Honors Thesis (3, 4)**

Staff. For senior honors candidates. Intensive reading and research related to the topic of the thesis.

## **ADVANCED UNDERGRADUATE AND GRADUATE COURSES**

### **PSYC 611 Psychological Applications of Univariate Statistics II (3)**

Prof. Corey, Prof. Ruscher. Prerequisite: PSYC 209 and approval of instructor. An intermediate-level course in statistics designed to meet the needs of beginning graduate students and those undergraduate students who plan to undertake graduate work in psychology. Emphasis is placed upon design of experiments and interpretation of research results.

### **PSYC 613 Psychological Applications of Multivariate Statistics (3)**

Prof. Corey. Prerequisite: approval of instructor. Design and analysis of experiments in the behavioral sciences involving multiple predictor and criterion variables. Extensive use is made of Tulane computer facilities but no programming knowledge is required.

### **PSYC 618 History and Systems of Psychology (3)**

Prof. Christenson. Prerequisite s: senior standing and approval of instructor. A survey of the roots of contemporary psychology. Students then identify an interest area, trace its historical roots, and present their work in class. Satisfies the departmental capstone requirement.

### **PSYC 641 Seminar in Group Dynamics (3)**

Staff. Prerequisite: PSYC 343. A seminar on the psychology of small groups, including such topics as socialization, conformity, cohesion, decision-making, problem-solving, productivity, leadership, power, conflict, inter-group relationships, and individual change through group participation. Each student will carry out a project in a group in which they are a participant or observer. Discussion, exercises and student presentations.

### **PSYC 642 Social Stereotyping and Prejudice (3)**

Prof. Ruscher. Prerequisite: PSYC 209 and 343 or graduate standing. Processes in social categorization; and how stereotypes of gender, ethnicity, race, disability, illness, and sexual orientation influence impression formation, affect, and interpersonal interaction. Cognitive factors in the development, maintenance, and reduction of prejudice.

### **PSYC 650 Reading Assessment and Intervention (3)**

Prof. Overstreet. Prerequisites: PSYC 209, junior standing, and completion of the college intensive-writing requirement. This course provides didactic instruction as well as practical experience in the assessment and remediation of reading problems in school aged children. Students are required to complete 50-60 hours of reading intervention over the course of the semester.

### **PSYC 651 Biological Psychology (3)**

Prof. Colombo. Prerequisite: PSYC 367 or approval of instructor. An intensive survey of biological psychology with an emphasis on neuroanatomy and research methods used to study

mechanisms of learning and memory, mental disorders, emotion, stress, and other psychological phenomena. Same as NSCI 651.

**PSYC 652 Biological Psychology Laboratory (1)**

Prof. Hebert. Corequisite: PSYC 651. Prerequisite: PSYC 209. A laboratory course providing training in behavioral and neurobiological methods, experimental design, data collection and analysis and preparation of research reports. Fulfills college laboratory and writing requirements. Same as NSCI 652.

**PSYC 653 Psychopharmacology (3)**

Prof. Dohanich. Prerequisite: PSYC 367 or approval of instructor. An introduction to the effects of psychoactive agents on the nervous system. Lectures emphasize the mechanisms by which drugs regulate neurotransmitter systems to alter psychological and physical states. Same as NSCI 653.

**PSYC 654 Psychopharmacology Laboratory (1)**

Prof. Hebert. Corequisite: PSYC 653. Prerequisite: PSYC 209. Laboratories provide demonstration and hands-on experience in research methods used in contemporary psychopharmacology including receptor measurement, models of drug abuse and psychopathology, data analysis, and manuscript preparation. Satisfies departmental laboratory requirements. Satisfies college laboratory requirement. Same as NSCI 654.

**PSYC 655 Behavioral Neuroendocrinology (3)**

Prof. Dohanich. Prerequisite: PSYC 367 or approval of instructor. An introduction to the roles of steroid and peptide hormones in physiology and behavior. Lectures focus on the hormonal mechanisms that control reproductive and regulatory functions in human and infrahuman species. Same as NSCI 655.

**PSYC 656 Behavioral Neuroendocrinology Laboratory (1)**

Prof. Hebert. Corequisite: PSYC 655. Prerequisite: PSYC 209. Laboratories provide demonstration and hands-on experience in research methods used in contemporary neuroendocrinology including hormonal manipulation, behavioral measurement, data analysis, and manuscript preparation. Satisfies departmental laboratory requirement. Satisfies college laboratory requirement. Same as NSCI 656.

**PSYC 657 Cognitive Neuroscience (3)**

Prof. Golob. Prerequisites: PSYC 367. An introduction to the study of human behavior and cognition using neuroscience methods. This course will examine the neural basis of perception,

attention, memory, language, motor control, and emotions. Same as NSCI 657.

**PSYC 658 Cognitive Neuroscience Laboratory (1)**

Prof. Hebert. Corequisite: PSYC 657. Prerequisites: PSYC 209 and PSYC 367. A laboratory course that provides training in experimental design and ethical issues, data collection, analysis, and manuscript preparation for cognitive neuroscience experiments. We will discuss methods used in cognitive neuroscience research, such as event-related potentials, structural and functional MRI. Students will conduct their own studies using behavioral and brain electrical activity measures. Satisfies the departmental laboratory requirement. Same as NSCI 658.

**PSYC 659 Stress and Trauma (3)**

Prof. Overstreet. Prerequisites: PSYC 209, 367, and PSYC 333 or 334. This course provides an overview of the psychobiological bases of stress and trauma reactions and related psychological disorders.

**PSYC 660 Stress and Trauma Laboratory (1)**

Prof. Overstreet. Corequisite: PSYC 369. Prerequisites: PSYC 209, 367, and PSYC 333 or 334. In this laboratory course students will complete an empirical research project on a subject within the field of stress and trauma.

**PSYC 661, 662 Advanced Studies  
in Psychology (1 or 3, 1 or 3)**

Staff. By arrangement with department.

**PSYC 665 Advanced Studies in Cognition, Human Learning,  
and Memory (3)**

Staff. Approval of instructor. Considered are advanced theoretical and empirical works and new developments in cognition, human verbal and motor learning, and retention processes. Research is pursued in depth to optimize student comprehension of such issues as encoding, transformation, storage, retention, retrieval, utilization, and interpretation of stimulus information by human subjects.

**PSYC 666 Advanced Studies in Developmental Psychology  
(3)**

Prof. Cunningham, Prof. Lockman. Prerequisites: PSYC 209 and 410, or instructor's approval plus either 321, 328 or 339. Students are provided with the opportunity to engage in directed research and specialized study in developmental psychology. Recent

advances in such areas as memory, social cognition, sex-roles, cognitive development, social development, and motivation are explored.

**PSYC 668 Advanced Studies in Personality and Social Psychology (3)**

Prof. Molix, Prof. O'Brien, Prof. Ruscher, Prof. Wilson.  
Prerequisite: approval of instructor. Students examine one or a few specific areas in personality and social psychology. Topics such as attribution, impression, information, sex roles, and personality variables in social behavior are related to the dynamics of inter- and intrapersonal behavior.

**PSYC 669 Advanced Studies in Psychobiology (3)**

Prof. Christenson, Prof. Corey, Prof. Dohanich, Prof. Golob.  
Prerequisite: approval of instructor. Advanced theoretical and empirical work in physiological mechanisms of behavior, neuroendocrinology, sensory processes, animal learning, or comparative animal behavior are explored.

**PSYC 670 Topics in Psychology (3)**

Staff. Various topics in psychology based on faculty and student interest.

**PSYC 673 Foundations of Measurement (3)**

Staff. Prerequisite: PSYC 318 or approval of instructor.  
Introduction to psychometric theory, issues in measurement scaling, reliability, and validity.