PSYCHOLOGY (PY)

PY-103 Introduction to Psychology  Credits: 3
Term Offered: All Terms
Course Type(s): SS.SV
The scientific study of behavior and mental processes, including motivation, emotion, intelligence, maturation, learning, personality, perception, and thinking.

PY-201 Educational Psychology  Credits: 3
Prerequisite(s): PY-103
Term Offered: Fall Term
Course Type(s): None
The application of principles and theories designed for psychology students, prospective teachers, and parents interested in educational processes.

PY-202 Career Preparation in Psychology  Credits: 1
Term Offered: All Terms
Course Type(s): None
An orientation to career opportunities available with a background in psychology as well as preparation for employment and graduate/professional training in psychology. For Psychology majors only.

PY-203 Child Psychology  Credits: 3
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): NU.EL
Physical and mental development from conception to early adolescence; motor, emotional, and social behavior; intelligence and language development; personality formation; play and other imaginative activities.

PY-204 Adolescent Psychology  Credits: 3
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): NU.EL
Students are given up-to-date knowledge of the field of developmental psychology in general but particularly focuses on issues that are relevant to individuals as they transition from being children to young adolescents; as they go through the physical, emotional, cognitive, and social changes of adolescence; and finally as they experience emerging adulthood. It will enable students to understand, contrast, and critically evaluate various developmental theories that apply to adolescent development. Both the normative patterns of adolescent development and individual variability within these norms are covered.

PY-205 Psychology of Adulthood and Aging  Credits: 3
Prerequisite(s): PY-103
Term Offered: Spring Term
Course Type(s): None
Development from mid-life to old age; physical, intellectual, social, emotional, and personality changes, interests, attitudes, and maladjustments with emphasis on later life.

PY-206 Child and Adolescent Development  Credits: 3
Prerequisite(s): PY-201
Term Offered: All Terms
Course Type(s): None
An introduction to the field of human development. Concepts and theories of child and adolescent growth and development will be covered from the prenatal period through adolescence.

PY-207 Social Psychology  Credits: 3
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): None
A survey of human behavior and mental processes in their social context. Addresses interpersonal processes, including social influence, relationships, prosocial and antisocial behavior, prejudice, and group dynamics. Also addresses intrapersonal processes, including the self, social perception, social cognition, cognitive dissonance, and attitudes.

PY-208 Abnormal Psychology  Credits: 3
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): None
The principal forms of psychopathology, including symptoms, etiology, and therapeutic recommendations; borderline adjustment, neurosis, psychosis, and character disorders.

PY-220 Research I: Methods and Basic Data Analysis Laboratory  Credits: 4
Prerequisite(s): PY-103 and MA-101, or MA-105 or higher; and EN-101 and EN-102 or permission of the instructor
Term Offered: All Terms
Course Type(s): TL, WT
Introduces students to the essence of the scientific method and the use of empirical inquiry. Students will be introduced to various issues concerning data collection and other method procedures used in psychology. Students will learn to appropriately summarize, describe, and analyze obtained data to test research hypotheses.

PY-230 History of Psychology  Credits: 3
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): None
The historical development of psychology, including its relationship to other disciplines; the contributions of philosophy and the growth of scientific methodology.

PY-288 Cooperative Education: Psychology  Credits: 3
Term Offered: All Terms
Course Type(s): EX2
Provides students with an opportunity to apply classroom theory in practice through actual work experience. Placements are selected to forward the student's career interest through experiential education. Repeatable for credit. Departmental approval is required to take this course. Completion of thirty credits and a minimum G.P.A. of 2.00 are required to take this course.

PY-298 Special Topics in Psychology (200 Level)  Credits: 1-3
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in psychology to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If there is a prerequisite for this course it will be announced in the course schedule.

PY-301 Psychology of Learning  Credits: 3
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): None
Basic issues and methods in the scientific study of learning, with attention to major theories about mental and neural processes in conditioning, skill learning, and various types of cognitive learning and memory.
PY-302 Memory and Cognition
Prerequisite(s): PY-103 and PY-220
Term Offered: All Terms
Course Type(s): None
Scientific study of mental processes, especially pertaining to the acquisition, retention, and use of knowledge and mental skills. Emphasis on memory, imagery, and natural language, with limited attention to developmental and individual differences.

PY-302L Memory and Cognition Thesis Laboratory
Prerequisite(s): PY-311 and PY-320 both passed with a grade of C or higher
Co-requisite(s): PY-302 and PY-491
Term Offered: All Terms
Course Type(s): None
Techniques for the experimental study of memory, thought, and language processes. Includes pattern recognition, serial recall, memory organization, imagery, decision-making, and story schematization.

PY-305 Theories of Personality
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): None
An introduction to methods for studying personality and building personality theories; psychodynamically oriented theories as well as biosocial, behavioralistic, cognitive, humanistic, and existential approaches.

PY-305L Social and Personality Thesis Lab
Prerequisite(s): PY-207 or PY-305, and PY-311 and PY-320 all passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Research strategies used in the scientific study of personality and social psychology. Deals with the following topics: constructing surveys, writing quality question items, correlational design, two-group design, multigroup design, factorial design, within-subjects design, and the use of statistical methods in research. These topics will be covered in the context of student projects. Each student will design and carry out his or her own research project. Three hours per week.

PY-306 Introduction to Neurosciences
Prerequisite(s): PY-103 and 3 credits in Biology
Term Offered: Spring Term
Course Type(s): None
The organization of the nervous system in terms of its anatomy, physiology, neurochemical correlates, and evolution; behavioral processes, such as attention, sleep, motivation, instinct, learning, and language.

PY-306L Neurosciences Thesis Laboratory
Prerequisite(s): PY-311 and PY-320 both passed with a grade of C or higher
Co-requisite(s): PY-306 and PY-491
Term Offered: All Terms
Course Type(s): None
Human and animal neuroanatomy; surgical techniques, including lesion, stimulation, and perfusion; histology; drug and hormone administration; and physiological recording techniques. Three hours per week.

PY-310 Psychology Internship
Prerequisite(s): PY-208, PY-220, and completion of fifty-seven credits
Term Offered: All Terms
Course Type(s): EX5
Supervised, volunteer work in approved facilities, professional development and training and supervision provided by the agency in consultation with the psychology department.

PY-311 Research II: Behavioral Statistics and Laboratory
Prerequisite(s): PY-220 passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): TL
A continuation in statistical concepts and application, including analysis of variance, nonparametric techniques, regression equations, correlations. Laboratory: Instruction in data analysis using SPSS (Statistical Package for the Social Sciences), training in software tools for formatting and presenting research findings.

PY-320 Research III: Experimental Methods and Laboratory
Prerequisite(s): PY-220 passed with a grade of C or higher; and EN-101 and EN-102, or permission of the instructor
Co-requisite(s): PY-311
Term Offered: All Terms
Course Type(s): WT
An introduction to theory and application of experimental methods in psychology. Three hours of lecture, two hours of individual laboratory work per week.

PY-321 Qualitative Research Methods
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): WT
An interdisciplinary overview of qualitative research methods employed in the social sciences and education. Qualitative methods are offered as an alternative way of knowing about individuals and groups. Topics covered include: theory, fieldwork, interviewing, observational studies, time sampling, writing field notes, questionnaires (survey research), archival research, and conducting qualitative research in various settings. Emphasis also placed upon the factors that affect the fieldwork process (e.g., gender, emotions). Also listed as AN-321.

PY-322 Industrial Organizational Psychology
Prerequisite(s): PY-103
Term Offered: Spring Term
Course Type(s): None
The application of psychological principles to human problems in business and industry: personnel psychology, counseling, motivation, supervision, organizational structure, efficiency, and engineering psychology.

PY-331 Psychology of Women
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): GS
The current state of knowledge about the psychology of women based on theoretical and empirical contributions from psycho-biology, personality, social and life-span psychology.
PY-331L  Psychology of Women Thesis Lab  
Prerequisite(s): PY-311, PY-320, both passed with a grade of C or higher; and either PY-331 or GS-225 or SO-225
Term Offered: All Terms
Course Type(s): None
Research strategies used in the study of the psychology of women. Deals with the following topics: constructing surveys, writing quality question items, two-group design, multigroup design, factorial design, within-subject design, correlational design, and the use of statistical methods in research. These topics will be covered in the context of student projects. Each student will design and carry out his or her own research project. Three hours per week.

PY-332  Psychology of the Male Experience  
Prerequisite(s): PY-103
Term Offered: Spring Term
Course Type(s): GS
Examines stereotypes about men in Western society, many of which are challenged in the light of empirical research; theoretical and empirical contributions from personality, social and life-span psychology, and psychobiology; consideration of methods and sources of bias in research used in gender studies.

PY-335L  Gender and Sex Roles Thesis Laboratory  
Prerequisite(s): PY-103; and PY-311 and PY-320, both passed with a grade of C or higher
Co-requisite(s): PY-331 or PY-491 or PY-332
Term Offered: All Terms
Course Type(s): GS
Research strategies used in the study of gender and sex roles. Projects include: methods of archival research, interview and survey techniques, naturalistic observation, and correlational and experimental procedures. Students also design and carry out their own research project, and prepare written and oral reports of the findings. Three hours per week.

PY-342  Children's Play and Culture  
Prerequisite(s): PY-203
Term Offered: Spring Term
Course Type(s): None
An intensive examination of children's play. Theoretical and empirical contributions from psychology and anthropology as a developmental and cross-cultural foundation for the following topics: the historical development of the concept of childhood, theories of play, conceptions of play and work, the functions of play, play and child development, gender differences, cross-cultural forms of play, and children's peer cultures. Also listed as AN-342. Anthropology majors should register for AN-342.

PY-342L  Children's Play Thesis Laboratory  
Prerequisite(s): PY-311, PY-320, and PY-321, all passed with a grade of C or higher
Co-requisite(s): PY-342 and PY-491
Term Offered: All Terms
Course Type(s): EX5
Research strategies used in the study of children's play. Projects include: methods of interviewing and survey techniques, naturalistic observation, participant observation, and time sampling. Students also design and undertake their own research projects and prepare written and oral reports of their findings. Also listed as AN-342L.

PY-350L  Evolutionary Psychology Thesis Laboratory  
Prerequisite(s): PY-103; and PY-311 and PY-320 passed with a grade of C or higher
Co-requisite(s): PY-350 and PY-491
Term Offered: All Terms
Course Type(s): None
Research strategies used in studying the role of evolution in human psychology. Projects include: methods of archival research, interview and survey techniques, naturalistic observation, correlational and experimental procedures. Students will design and carry out their own research project and prepare written and oral reports of the findings. Three hours per week.

PY-360  Intimate Relationships  
Prerequisite(s): PY-207
Term Offered: All Terms
Course Type(s): None
Provides an overview of current theory and research in the field of intimate relationships. Focuses on topics such as: our need for relationships, interpersonal attraction, love, attachment, communication, relationship maintenance, relationship trajectories, relationship dissolution, jealousy, and extra-dyadic relationships. Special attention will be given to understanding these topics through the use of scientific journal articles.

PY-360L  Intimate Relationships Thesis Laboratory  
Prerequisite(s): PY-360; and PY-311 and PY-320 both passed with a grade of C or higher
Term Offered: All Terms
Course Type(s): None
Research strategies used in the study of intimate relationships. Deals with the following topics: constructing surveys, writing quality question items, two-group design, multi-group design, factorial design, within-subject design, and the use of statistical methods in research. These will be covered in the context of student projects. Each student will design and carry out his or her own research project. Three hours per week.

PY-370  Sensation and Perception  
Prerequisite(s): PY-103 and PY-220
Term Offered: All Terms
Course Type(s): None
Evolution of animal and human sensory systems and perceptual mechanisms and processes; current research data and person-machines comparisons.
PY-370L Sensation and Perception Thesis Laboratory Credits: 1
Prerequisite(s): PY-311 and PY-320 both passed with a grade of C or higher
Co-requisite(s): PY-370 and PY-491
Term Offered: Fall Term
Course Type(s): None
Basic laboratory techniques for the study of perceptual experiences. Includes sensory thresholds, intensity scaling, color judgments, visual shape and depth, visual illusions, brain lateralization, interactions among sensory modalities, and attention. Three hours per week.

PY-388 Cooperative Education: Psychology Credits: 3
Prerequisite(s): Thirty completed credits and a minimum G.P.A. of 2.00
Term Offered: All Terms
Course Type(s): EX2
Provides students with an opportunity to apply classroom theory in practice through actual work experience. Placements are selected to forward the student's career interest through experiential education. Repeatable for credit. Departmental approval is required to take this course.

PY-389 Independent Internship in Psychology Credits: 1-3
Prerequisite(s): 21 credits in Psychology, Junior standing, overall G.P.A. of 3.00, approval by the Psychology Department
Term Offered: All Terms
Course Type(s): EX1
Students apply the psychological concepts they have learned in the classroom and laboratory to work-related experiences. Working with the cooperation of the Life Career Advising Center and a faculty sponsor, the student will secure an internship site. On a volunteer basis, students will work forty hours per credit per term at their internship sites. Students are required to develop learning objectives at the start of their internship, keep a journal of their internship experience throughout their placement, and write a final paper that includes an integrated review of the literature and reports their progress in meeting their learning objectives. Limited to Psychology majors.

PY-398 Special Topics in Psychology (300 Level) Credits: 1-3
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in psychology to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If there is a prerequisite for this course it will be announced in the course schedule.

PY-398L Special Topics in Psychology Thesis Laboratory Credits: 1-3
Co-requisite(s): PY-491
Term Offered: Fall Term
Course Type(s): None
An intensive study of a particular subject or problem in psychology to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis.

PY-399 Independent Study in Psychology Credits: 1-3
Term Offered: All Terms
Course Type(s): None
Guided study of a selected topic in psychology not substantially treated in a regular course, under the direction of a member of the Psychology faculty. Prior permission of the directing professor and department chair is required to take this course.

PY-401 Introduction to Clinical Psychology Credits: 3
Prerequisite(s): PY-208 and PY-305
Term Offered: All Terms
Course Type(s): None
The application of psychological approaches to the study and treatment of behavior problems, diagnosis, therapeutic techniques, and the professional role of the clinical psychologist in society.

PY-401L Clinical Psychology Thesis Laboratory Credits: 1
Prerequisite(s): PY-208; and PY-311 and PY-320 both passed with a grade of C or higher
Co-requisite(s): PY-401 and PY-491
Term Offered: All Terms
Course Type(s): EX5
A practicum in assessment and therapeutic techniques, incorporating standard research procedures used in clinical psychology. The scientific study of individual differences and their impact on behavior.

PY-404 Animal Behavior Credits: 3
Prerequisite(s): PY-103 or BY-103 or above passed with a grade of C- or higher
Term Offered: All Terms
Course Type(s): None
Why and how animals (vertebrates and invertebrates) do the things they do. Emphasizes rules governing the evolution of behavior rather than mere description of how animals behave. Focus includes behavioral ecology, habitat selection, feeding strategies, predator-prey tactics, mating systems and strategies, social behavior (conflict and cooperation) and population dynamics. The course begins with a historical overview and ends with the evolution of human behavior. Also listed as BY-404.

PY-404L Animal Behavior Thesis Laboratory Credits: 1
Prerequisite(s): PY-311 and PY-320 both passed with a grade of C- or higher
Co-requisite(s): PY-404 or BY-404
Term Offered: All Terms
Course Type(s): None
Methods in the study of animal behavior. Projects on instinctive behavior, early experience, learning, dominance relationships, territoriality, behavioral ecology, and sociobiology. One all-day field trip and an independent project will be required.

PY-407 Social Cognition Credits: 3
Prerequisite(s): PY-103
Term Offered: All Terms
Course Type(s): None
Focus on social cognition, a research area within social psychology that studies the social and cognitive processes through which individuals notice, interpret, remember, and use information about their social world. Exploration of past and present social research, current theoretical understanding, and potential applications of important social-cognitive processes.

PY-407L Social Cognition Thesis Laboratory Credits: 1
Prerequisite(s): PY-311 and PY-320 both passed with a grade of C or higher
Co-requisite(s): PY-407 and PY-491
Term Offered: All Terms
Course Type(s): None
Study and evaluation of empirical methods used in social cognition research. Students will critique published research and learn to identify and avoid common threats to the validity of their own research. Three hours per week.
PY-408  Cultural Psychology  Credits: 3  
Term Offered: Fall Term  
Course Type(s): None  
An interdisciplinary course that utilizes theoretical, empirical, and methodological contributions from psychology and anthropology to discuss the position of culture in understanding human behavior and thought. Culture is viewed as a cognitive construct that is learned, lived, shared, and performed. A sample of topics include: the history of cultural and cross-cultural psychology, methodological approaches, aggression, education, development, play, language, social relationships, intelligence, emotion, motivation, and mental health issues. Also listed as AN-408.  

PY-409  Leadership and Group Processes  Credits: 3  
Prerequisite(s): PY-103 and PY-207  
Term Offered: All Terms  
Course Type(s): None  
An introduction to the study of group dynamics, particularly with regard to leadership and power. Exploration of past and present research on groups; current theoretical understanding of important group processes, such as group formation, changes over time, group decision-making and performance, social influence, and intermember relations.  

PY-409L  Leadership and Group Processes Laboratory  Credits: 1  
Prerequisite(s): PY-103, PY-311, and PY-320 all passed with a grade of C or higher  
Co-requisite(s): PY-409 and PY-491  
Term Offered: All Terms  
Course Type(s): None  
Study and evaluation of empirical methods used in group-dynamics research. Students will critique published research and learn to identify and avoid common threats to the validity of their own research. Three hours per week.  

PY-411  Field Experience in Animal Behavior  Credits: 3  
Prerequisite(s): PY-103, and PY-220 passed with a grade of C or higher  
Term Offered: Spring Term  
Course Type(s): EX1  
Covers psychological principles that are relevant to the psychology of animal behavior, animal training, and learning, memory, and cognition. Students are exposed to - and engage in - research on animal behavior management and watch demonstrations of these principles on-site at Six Flags Safari with a selection of exotic animals. Students will explore careers in applied animal behavior and apply what they have learned to other vocations with humans, such as teaching and therapy, in weekly presentations and round tables. Students gain public speaking experience via facilitating educational outreach events. Psychology majors only. Instructor consent required.  

PY-426  Theories of Childhood and Development  Credits: 3  
Prerequisite(s): PY-203, PY-320, and PY-321  
Term Offered: Spring Term  
Course Type(s): None  
An overview of and evaluative approach to developmental theories and conceptions of childhood. The theoretical frameworks covered include: constructivism, learning theory, psychoanalysis, psychosocial, and ethological/evolutionary approaches. Theorists discussed include: Bowlby, Dewey, Erikson, Freud, Montessori, Piaget, Skinner, and Vygotsky.  

PY-431  Psychological Tests and Measurements  Credits: 3  
Prerequisite(s): PY-103 and PY-220, both passed with a grade of C or higher  
Term Offered: All Terms  
Course Type(s): None  
Introduction to theory of measurement; its application to psychological and educational testing and exposure to frequently used tests with ethical and practical considerations. Prerequisites: PY-103 and PY-220, both passed with a grade of C or higher  

PY-488  Cooperative Education: Psychology  Credits: 3  
Term Offered: All Terms  
Course Type(s): EX2  
Provides students with an opportunity to apply classroom theory in practice through actual work experience. Placements are selected to forward the student’s career interest through experiential education. Repeatable for credit.  

PY-489  Independent Internship in Psychology  Credits: 1-3  
Prerequisite(s): PY-208 and PY-220, and a minimum G.P.A. of 3.00  
Term Offered: All Terms  
Course Type(s): EX1  
Working with the Department of Psychology’s Field Placement Coordinator, the student will secure an internship site and be assigned a faculty sponsor. Students will intern fifty hours per credit per term in their placements. In collaboration with their faculty sponsor, students will develop learning objectives, maintain a journal and log of their hours, and submit assignments that demonstrate an advanced application of psychological concepts to their internship experiences. Weekly meetings with faculty sponsors are required. Limited to Psychology majors.  

PY-490  Senior Seminar in Psychology  Credits: 3  
Prerequisite(s): PY-320 passed with a grade of C or higher and 18 credits in Psychology  
Term Offered: All Terms  
Course Type(s): None  
Readings, invited speakers, student presentations, and discussion of current and review topics in psychology. Course emphasis to vary with orientation of directing professor.  

PY-491  Research IV: Thesis in Psychology  Credits: 2  
Prerequisite(s): PY-311 and PY-320 both passed with a grade of C or higher  
Term Offered: All Terms  
Course Type(s): None  
Study and research in psychology under the supervision of a psychology faculty member, leading to the preparation of a senior thesis.  

PY-498  Special Topics in Psychology (400 Level)  Credits: 1-3  
Prerequisite(s): PY-208  
Term Offered: All Terms  
Course Type(s): None  
An intensive study of a particular subject or problem in psychology to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis. If a prerequisite is required it will be announced in the course schedule.  

PY-498L  Special Topics in Psychology Thesis Laboratory  Credits: 1  
Term Offered: All Terms  
Course Type(s): None  
An intensive study of a particular subject or problem in psychology to be announced prior to registration. If a prerequisite is required it will be announced in the course schedule.
PY-499A  Independent Study in Psychology  Credits: 1-3
Term Offered: All Terms
Course Type(s): None
Independent study in psychology (experimental) research under supervision of a faculty member. May be taken for a maximum of six credits. Junior standing and prior permission of the directing instructor and department chair are required to take this course.

PY-499B  Independent Study in Psychology  Credits: 1-3
Term Offered: All Terms
Course Type(s): None
Independent study in psychology (reading and theoretical) special project under supervision of a faculty member. May be taken for a maximum of six credits. Junior standing and prior permission of the directing instructor and department chair are required to take this course.