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: 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: 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: 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: 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: 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: 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: 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: 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: 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
Prerequisites: Completion of thirty credits and a minimum GPA 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.

PY-298  Special Topics in Psychology (200 Level)  Credits: 1-3
Prerequisite: As announced in the course schedule.
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.

PY-301  Psychology of Learning  Credits: 3
Prerequisite: 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  
Prerequisites: 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  
Credits: 1  
Prerequisites: PY-311 and PY-320, both passed with a grade of C or higher.  
Corequisites: 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  
Credits: 3  
Prerequisite: 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, behavioristic, cognitive, humanistic, and existential approaches.

PY-305L   Social and Personality Thesis Lab  
Credits: 1  
Prerequisites: 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  
Credits: 3  
Prerequisites: PY-103 and three 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. Also listed as BY-406.

PY-306L   Neurosciences Thesis Laboratory  
Credits: 1  
Prerequisites: PY-311 and PY-320, both passed with a grade of C or higher.  
Corequisites: 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-306L   Neurosciences Thesis Laboratory  
Credits: 1  
Prerequisites: PY-311 and PY-320, both passed with a grade of C or higher.  
Corequisites: 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  
Credits: 3  
Prerequisites: PY-208, PY-220, and completion of fifty-seven credits.  
Term Offered: All Terms  
Course Type(s): EX3  
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  
Credits: 4  
Prerequisite: 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  
Credits: 4  
Prerequisites: PY-220 passed with a grade of C or higher; and EN-101 and EN-102 or permission of the instructor.  
Corequisite: 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  
Credits: 4  
Prerequisite: 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  
Credits: 3  
Prerequisite: 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, employment, organizational structure, efficiency, and engineering psychology.

PY-331   Psychology of Women  
Credits: 3  
Prerequisite: 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.
Reports of their findings. Also listed as AN-342L.

Undertake their own research projects and prepare written and oral reports of the findings. 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.

Course Type(s): EX5
Term Offered: All Terms
Corequisites: PY-342 and PY-491.

PY-332 Psychology of the Male Experience
Prerequisites: PY-103, PY-311, and PY-320, all passed with a grade of C or higher.
Corequisites: PY-331 or PY-332 or PY-491.
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.

Course Type(s): None
Term Offered: All Terms
Corequisites: PY-311 and PY-320, both passed with a grade of C or higher, and PY-331 or GS-225 or SO-225.

PY-335L Gender and Sex Roles Thesis Laboratory
Prerequisites: PY-103, 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 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-336 Intimate Relationships
Prerequisites: PY-203 or EDL-206.
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-342L.

Course Type(s): None
Term Offered: All Terms
Corequisites: PY-311, PY-320, and PY-321, all passed with a grade of C or higher.

PY-342L Children’s Play Thesis Laboratory
Prerequisites: PY-311, PY-320, and PY-321, all passed with a grade of C or higher.
Corequisites: 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-350 Evolutionary Psychology
Prerequisite: PY-103.
Term Offered: All Terms
Course Type(s): None
The role of evolutionary thinking in human psychology, including ideas and evidence from animal behavior; topics include a brief history of socio-political resistance to Darwinian ideas, basic principles of evolutionary (population) biology, behavioral strategies affecting cognitive and social psychology, especially survival issues (feeding, predator avoidance), mating systems (attraction, mate retention, reproduction and rearing offspring), and social exchange issues. Exploration of potential application in other disciplines (medicine, law, history, marketing and economics).

PY-350L Evolutionary Psychology Thesis Laboratory
Prerequisites: PY-103; and PY-311 and PY-320 both passed with a grade of C or higher.
Corequisites: 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
Prerequisites: 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
Prerequisites: 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
Prerequisites: 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
Prerequisites: PY-311 and PY-320, both passed with a grade of C or higher.
Corequisites: 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
Prerequisites: Completion of thirty credits and a minimum GPA of 2.00.
Term Offered: All Terms
Course Type(s): EX1
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-389  Independent Internship in Psychology  Credits: 1-3
Prerequisites: Junior standing, twenty-one credits completed in Psychology, overall GPA of 3.00, and approval by 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: As announced in the course schedule.
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.

PY-398L  Special Topics in Psychology Thesis Laboratory  Credits: 1-3
Prerequisites: PY-311 and PY-320; both passed with a grade of C or higher.
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.

PY-401  Introduction to Clinical Psychology  Credits: 3
Prerequisites: PY-208 and PY-305.
Term Offered: All Terms
Course Type(s): EX5
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
Prerequisites: PY-208; PY-311 and PY-320 both passed with a grade of C or higher.
Corequisites: 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: 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
Prerequisites: PY-311 and PY-320, both passed with a grade of C or higher.
Corequisite: PY-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: 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
Prerequisites: PY-311 and PY-320, both passed with a grade of C or higher.
Corequisites: 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
Prerequisites: 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
Prerequisites: PY-103, PY-311, and PY-320, all passed with a grade of C or higher.
Corequisites: 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
Prerequisites: PY-103, and a grade of C or higher in PY-220.
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.

PY-426 Theories of Childhood and Development Credits: 3
Prerequisites: 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: PY-311 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.

PY-488 Cooperative Education: Psychology Credits: 3
Prerequisites: Completion of thirty credits and a minimum GPA 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.

PY-489 Independent Internship in Psychology Credits: 1-3
Prerequisites: Junior standing, PY-208, PY-220, overall GPA of 3.00, and approval by the Psychology Department.
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
Prerequisites: PY-320 passed with a grade of C or higher and completion of eighteen 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
Prerequisites: PY-311 and PY-320, both passed with a grade of C or higher.
Corequisite: Any Psychology 300-400 level course with a lab.
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: As announced in the course schedule.
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.

PY-498L Special Topics in Psychology Thesis Laboratory Credits: 1
Prerequisite: As announced in the course schedule.
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.

PY-499A Independent Study in Psychology Credits: 1-3
Prerequisites: Junior standing and prior permission of instructor and department chair.
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.
PY-499B  Independent Study in Psychology  Credits: 1-3
Prerequisites: Junior standing and prior permission of instructor and department chair.
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.