Department of Psychology College of Social Science

101 Introductory Psychology

Fall, Spring, Summer. 4(4-0) Mind and behavior from biological, individual, and social perspectives. Scientific and professional aspects of psychology.

PSY

200

Cognitive Psychology Fall, Spring, Summer. 3(3-0) P: PSY 101 Concepts, theories, methods, and research findings in human information processing. Attention, perception, memory, problem solving, decision making, and language comprehension and production.

209 Brain and Behavior

Fall, Spring. 3(3-0) P: PSY 101 Relation of structure and function of the nervous system to the biological bases of behavior.

Social Psychology 235

Fall, Spring, Summer. 3(3-0) P: PSY 101 Not open to students with credit in SOC 241

Major topics, theories, and research findings in social psychology, particularly as viewed from a psychological perspective.

Personality 236

Fall, Spring, Summer. 3(3-0) P: PSY 101 Theories of personality, assessment techniques, and research on personality functioning and individual differences in interpersonal behavior. Emphasis on normal behavior.

239 Psychology of Women

Fall. 3(3-0) P: PSY 101 Development and implications of sex-typed behavior and sex differences. Women's decisions about and experiences of menstruation, sexuality, motherhood, relationships, achievement, employment, retirement.

Developmental Psychology: Infancy 244 Through Childhood

Fall, Spring, Summer. 3(3-0) P: PSY 101 Physical, cognitive, emotional, and social development from infancy through childhood.

246 Sensitivity to Children I

Fall. 3(2-2) P: PSY 101 RB: To receive credit, PSY 246 and PSY 247 must be completed satisfactorily except by prior arrangement with instructor. R: Not open to students who have completed more than 6 credits of PSY 490 and PSY 491 combined.

First course of two-semester sequence that emphasizes weekly play with a child and analysis of videotaped sessions. Readings and discussions cover problems faced by parents, teachers and child therapists.

247 Sensitivity to Children II

Spring. 3(2-2) P: (PSY 246) RB: To receive credit, PSY 246 and PSY 247 must be completed satisfactorily except by prior arrangement with instructor.

Weekly play with a child to understand child development and to increase skills in communicating with children

255 Industrial and Organizational Psychology

Spring, Summer. 3(3-0) P: PSY 101 Recruitment, selection, and training of personnel. Performance appraisal, leader behavior, worker attitudes and behavior, communication, group organization, and processes in the workplace.

270 **Community Psychology**

Fall. 3(3-0) P: PSY 101 Theory and research in community psychology. Prevention, social change, dissemination models, empowerment, and measurement models.

Abnormal Psychology 280

Fall, Spring, Summer. 3(3-0) P: PSY 101 Theory and research on dynamics, characteristics, and treatment of psychological disorders. Therapies and theories of prevention.

290 **Exploring and Planning for Careers in** Psychology

Fall, Spring. 3(2-2) P: (PSY 101) and completion of Tier I writing requirement R: Open only to sophomores or juniors in the Psychology major.

Introduction to career options for psychology majors. Development of career preparation and career seeking skills.

295 Data Analysis in Psychological Research

Fall, Spring, Summer. 3(3-0) P: {PSY 101 and (MTH 110 or MTH 114 or MTH 116 or MTH 124 or MTH 106)} or (MTH 132 or MTH 152H or MTH 201 or STT 200 or STT 201) Not open to students with credit in STT 315

Descriptive and inferential statistics as applied to the analysis of psychological research. Measurement, control, and research design with psychological variables. Data analysis. Interpreting research findings. Relations between research and theory.

Psychology and Biology of Human 310 Sexuality

Spring of odd years. 3(3-0) Interdepartmental with Zoology. Administered by Psychology. P: (PSY 101 or concurrently) and ((BS 110 or concurrently) or (BS 111 or concurrently) or (LBS 144 or concurrently) or (LBS 145 or concurrently) or (LBS 148H or con-currently) or (LBS 149H or concurrently)) Not open to students with credit in FCE 445.

Sexual behavior from biological, psychological and neuroscience perspectives. Sexual differentiation of the body. Role of hormones in development and reproduction in humans and other animals. Human sexual orientation. Fertility and contraception. Sexual disorders. Sexually transmitted diseases.

320

Health Psychology Fall, Spring. 3(3-0) P: PSY 101

Social, psychological, and biological factors affecting health, illness, and use of health services. Stress and coping processes, lifestyles, and illness management

Personality from a Psychoanalytic 330 Perspective

Fall, Spring. 3(3-0) P: (PSY 101) A Freudian framework, including psychosocial development, dreams, unconscious processes, defense mechanisms, prejudice, discrimination, cults, inability to sleep, anxiety, depression, schizophrenia, sexual problems, and love.

344 **Developmental Psychology:** Adolescence Through Youth

Spring, Summer. 3(3-0) P: PSY 244

Theory and research in physical, cognitive, emotional, and social development from puberty to early adulthood

371 **Psychological Innovations and Research**

Fall, Spring, Summer. 4(2-4) P: PSY 101 RB: To receive credit PSY 371 and PSY 372 must be completed satisfactorily except by prior arrangement with instructor. R: Approval of department. Not open to students who have completed more than 6 credits of PSY 490 and PSY 491 combined.

First course of two-semester sequence. Theoretical and technical background and direct involvement in a major psychological innovation or research project.

372 Psychological Innovations and Research

Fall, Spring, Summer. 4(2-4) P: PSY 371 Second course of a two-course sequence. Theoretical and technical background and direct involvement in a major psychological innovation or research project

381 Human Service Internship in Psychology

Spring. 3(3-0) P: PSY 101 RB: At least two courses in the range from PSY 200-280. Theoretical and practical background to engage in effective human service delivery.

Human Service Internship in Psychology 382 н

Summer. 6 to 12 credits. P: PSY 381 Online community internship employing knowledge and skills acquired in PSY 381.

395 **Research Design and Measurement in** Psychological Research

Fall, Spring, Summer. 3(2-2) P: PSY 295 SA: PSY 304

Validity and reliability concepts in psychological measurement and causal inference. Experimental design in psychological research.

401

Memory and Skill (W) Fall of even years. 3(3-0) P: (PSY 200 and PSY 295) and completion of Tier I writing requirement

Human learning, memory, and skilled performance. Effects of attention, practice, and knowledge on cognitive and perceptual motor skills.

402 Sensation and Perception (W)

Fall of even years. 3(3-0) P: ((PSY 295) and completion of Tier I writing requirement) and (PSY 200 or PSY 209)

Biological and psychological approaches to the study of the extraction, representation, and interpretation of sensory information. Review of major methodologies. Emphasis on vision.

Laboratory in Cognitive Psychology (W) 403

Fall, Spring. 3(2-2) P: (PSY 200 and PSY 295) and completion of Tier I writing requirement SA: PSY 302

Rationale, methods, data analysis, and interpretation of experimental research in cognitive psychology.

History of Modern Psychology (W) 405 Spring. 3(3-0) P: (PSY 295) and completion of Tier I writing requirement R: Open only to

juniors or seniors in the Department of Psychology.

Themes, periods, and contributions of the leading psychologists. Psychological systems such as behaviorism, cognition, and psychoanalysis. Evolution of psychological concepts. Social context.

Psychobiology of Behavioral Development (W) 409

Spring of odd years. 3(3-0) P: (PSY 209 or ZOL 402) and Completion of Tier I Writing Requirement

Biological approaches to the understanding of behavioral development in human and non-human animals. Role of the nervous system in this process.

410 Neurobiology of Learning and Memory (W) Fall. 3(3-0) P: (PSY 209 or ZOL 402) and

Completion of Tier I Writing Requirement SA: PSY 308

Neural mechanisms responsible for learning and memory.

411 Hormones and Behavior (W)

Spring of even years. 3(3-0) P: (PSY 209 or ZOL 402) and Completion of Tier I Writing Requirement

Current research on biological mechanisms that control motivation in humans and non-human species

Laboratory in Behavioral Neuroscience 413 (W)

Fall. 4(2-4) Interdepartmental with Zoology. Administered by Psychology. P: ((PSY 209 or ZOL 402) and completion of Tier I writing requirement) and ((PSY 295 or concurrently) or STT 201) SA: PSY 309

Theory and laboratory experience in the study of behavioral neuroscience. Relationship among hormones, brain, and behavior.

424 Child and Family Psychopathology (W)

Fall, Spring, Summer. 3(3-0) P: (PSY 244 and PSY 295) and completion of Tier I writing requirement R: Open only to juniors or seniors in the Department of Psychology or students in the Psychology disciplinary minor.

Description, etiology, and developmental patterns of behavior problems of children, adolescents, and their families. Child and family interventions.

Attitudes and Social Cognition (W) 440

Fall of even years. 3(3-0) P: (PSY 235 and PSY 295) and completion of Tier I writing requirement R: Open only to juniors or seniors in the Department of Psychology.

Psychological research on the cognitive foundations of social behavior. Attribution, stereotyping, impression formation, social memory, and persuasion.

441 Interpersonal Behavior and Groups (W) Spring of even years. 3(3-0) P: (PSY 235 and PSY 295) and completion of Tier I writing requirement R: Open only to juniors or seniors in the Department of Psychology.

Major theories and research findings in the social psychology of group processes and interpersonal relationships.

450 Thinking Critically About Psychological Research (W)

Spring. 3(3-0) P: (PSY 295) and completion of Tier I writing requirement SA: PSY 307 Statistical and methodological principles from the perspective of a critical consumer of research results. Recognizing non-empirical assertions, necessary bases for inferring relationships and causal relationships, common threats to research validity, and pertinent biases in human judgment.

455 **Organizational Research Techniques (W)** Spring. 3(3-0) P: (PSY 255 and PSY 395) and completion of Tier I writing requirement R: Open only to juniors or seniors in the Department of Psychology or in the Interdisciplinary Studies in Social Science major.

Quantitative psychological research techniques applied to human resource problems in organizations. Survey research, job analysis, training needs analysis, evaluation and selection, and test validation.

463 Introduction to Cognitive Science

Spring. 3(3-0) Interdepartmental with Linguistics and Philosophy. Administered by Linguistics.

Cognitive processing of information by animals, humans, and computers. Relevant issues in philosophy, linguistics, psychology, neurophysiology, and artificial intelligence.

Personality Theories (W) 475

Spring of odd years. 3(3-0) P: (PSY 236) and completion of Tier I writing requirement R: Open only to juniors or seniors in the Department of Psychology.

Major personality theories of development, structure, and dynamics. Implications for behavioral disorders and therapy.

Special Problems in Psychology 490

Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 12 credits in all enrollments for this course. P: PSY 295 RB: Nine credits in Psychology. Students are limited to a combined total of 12 credits in PSY 490 and PSY 491. R: Open to seniors or juniors and approval of department.

Students work under direction of a faculty member on an experimental, theoretical, or applied problem.

491 Participation in Psychological Project

Fall, Spring, Summer. 1 to 6 credits. A stu-dent may earn a maximum of 12 credits in all enrollments for this course. RB: Nine credits in Psychology. Students are limited to a combined total of 12 credits in PSY 490 and PSY 491 R: Open to juniors or seniors and approval of department.

Students participate in a psychological project under direction of a faculty member.

492

Special Topics in Psychology Fall, Spring. 1 to 3 credits. P: PSY 101 and PSÝ 295

Special topics supplementing regular course offerings proposed by faculty.

493 Issues in Psychology (W)

Fall, Spring. 3(3-0) P: (PSY 101 and PSY 295) and completion of Tier I writing reauirement

Current information, research, and practice in psychology.

498H Development of Research Proposal

Fall, Spring, Summer. 3(0-6) R: Approval of department.

Independent research with faculty supervision. Literature survey, naturalistic observation, and experimental investigation. Preparation of the proposal for the Senior Honors Thesis.

499H Senior Honors Thesis

Fall, Spring, Summer. 3(0-6) P: PSY 498H R: Approval of department.

Continuation of independent research with faculty supervision. Completion of senior honor thesis.

Sensation and Perception 801

Fall. 3(3-0) RB: (PSY 401) or approval of department. R: Open to graduate students in the Department of Psychology.

Biological and psychological approaches to the study of extraction, representation, and interpretation of sensory information. Review of major methodologies. Emphasis on vision.

802 **Basic Cognitive Processes**

Fall. 3(3-0) R: Open only to graduate students in the Department of Psychology or Interdepartmental Graduate Specializations in Cognitive Science or approval of department. SA: PSY 810

Advanced exploration of methods used to study human cognition as applied to sensory processes, perception, attention, memory, and control of action

803

Higher Order Cognitive Processes Spring. 3(3-0) R: Open only to graduate students in the Department of Psychology or Interdepartmental Graduate Specializations in Cognitive Science or approval of department. SA: PSY 810

Advanced exploration of inductive and deductive reasoning, categorization, analogy, decision making, and problem solving

804 Molecular and Developmental Neurobiology

Fall. 3(3-0) Interdepartmental with Neuroscience and Pathobiology and Diagnostic Investigation and Pharmacology and Toxicol-ogy and Zoology. Administered by Neuros-cience. RB: Bachelor's degree in a Biological Science or Psychology. R: Open to graduate students in Neuroscience major.

Nervous system specific gene transcription and translation. Maturation, degeneration, plasticity, and repair in the nervous system.

805 History of Psychology

Spring. 4(4-0) R: Open only to graduate students in the Department of Psychology.

Scientific, cultural, philosophical, and personal influences in the development of psychology. Persisting issues

806 **Advanced Neuroscience Techniques** Laboratory

Spring. 3(0-9) Interdepartmental with Neuroscience and Pharmacology and Toxicology and Physical Medicine and Rehabilitation and Radiology. Administered by Neuroscience. RB: PHM 827 R: Open only to doctoral students in the Neuroscience major.

Methods and underlying principles of neuroscience research

809 **Developmental Psychobiology**

Fall of odd years. 3(3-0) RB: (PSY 409) or approval of department. R: Open only to graduate students in the Department of Psychology.

Basic principles of neural development over the life span.

811 Advanced Behavioral Neuroscience

Spring. 3(3-0) Interdepartmental with Neuroscience. Administered by Psychology. RB: (PSY 411) or approval of department. R: Open only to graduate students in the Psychology major or Neuroscience major.

Biological mechanisms involved in learning and memory, motivated behaviors, biological rhythms, and psychopathologies.

814 **Psycholinguistics**

Spring of even years. 3(3-0) RB: PSY 414 R: Open only to graduate students in the Department of Psychology.

Language processing. Speech perception, lexical representation and access, sentence parsing, discourse comprehension and memory, and language production.

815 **Quantitative Research Design and** Analysis in Psychology

Fall. 3(3-0) R: Open only to graduate students in the Department of Psychology.

Design and analysis of psychological research. Applied descriptive and inferential statistical procedures. Emphasis on discerning and confirming structural relationships among psychological va-riables. Analysis of variance, regression, and related methods.

Psychometric Theory and Test 818 Construction

Spring. 3(3-0) RB: PSY 817 R: Open only to graduate students in the Department of Psychology.

Classical and item response theory approaches to test development. Validation of measures.

828 **Clinical Assessment**

Fall. 3(2-2) R: Open only to graduate students in the Department of Psychology.

Cognitive, neuropsychological, projective, and behavioral assessment. Ethical and statistical issues of assessment.

829

Child and Family Assessment Spring of even years. 3(3-0) RB: PSY 828 R: Open to graduate students in the De-partment of Psychology.

Assessment of behavioral, cognitive, psychomotor, and emotional problems in children and families.

834 Social Psychology

Fall of even years. 3(3-0) R: Open to graduate students in the Department of Psychology. Not open to students with credit in SOC 870.

Classic and contemporary theoretical and empirical issues in social psychology.

835 **Research Methods: Interpersonal and** Individual Behavior

Spring. 3(2-2) RB: PSY 815 or concurrently R: Open only to graduate students in the Department of Psychology.

Strategies and tactics for conducting systematic empirical research on complex human functioning. Social and clinical phenomena.

836 Personality Psychology

Fall of odd years. 3(3-0) R: Open only to graduate students in the Psychology major or approval of department.

Classic and contemporary theoretical and empirical issues in personality psychology.

837 Social Cognition

Spring of even years. 3(3-0) RB: 15 credits of social sciences. R: Open only to graduate students in the Psychology major or ap-proval of department. SA: PSY 842A

Research on cognitive mediators of social behavior and life outcomes. Attribution, person perception, stereotyping, attitudes, and social memory.

838 Interpersonal Behavior and

Relationships

Fall of even years. 3(3-0) RB: 15 credits in the social sciences. R: Open only to graduate students in the Psychology major or approval of department. SA: PSY 842B

Theory and empirical research on interpersonal processes. Social comparison, social support, selfevaluation, relationship development and dissolution, attraction, and love.

839 Systems Neuroscience

Spring. 4(4-0) Interdepartmental with Human Anatomy and Neuroscience and Pharmacology and Toxicology and Physiology and Zoology. Administered by Neuros-cience. R: Open only to graduate students in the Colleges of Human Medicine, Osteopathic Medicine, Agriculture and Natural Resources, Natural Science, Social Science, and Veterinary Medicine. SA: ANT 839

Anatomy, pharmacology, and physiology of multicellular neural systems. Sensory, motor, autonomic, and chemo-regulatory systems in vertebrate brains.

Group Processes 840

Spring of odd years. 3(3-0) RB: 15 credits in the social sciences. R: Open only to graduate students in the Psychology major or approval of department. SA: PSY 842C

Contemporary theory and research dealing with the individual in a group context.

851

Neuropsychology Fall. 4(4-0) R: Open only to graduate stu-dents in the Department of Psychology.

Basic research and theory in neuropsychology of cognition, language, memory, emotion, motor skill, and lateralization of function. Emphasis on human functions

852A **Neuropsychological Assessment**

Spring of odd years. 3(3-0) RB: PSY 811 and PSY 851 R: Open only to graduate students in the Department of Psychology.

Diagnosis of brain injuries through the study of brain behavior processes. Concepts and tools relevant for neuropsychological examinations.

852B Neuropsychological Assessment Laboratory

Spring of even years. 3(0-6) R: Open only to graduate students in the Psychology major. Theory and clinical interpretation of the Halstead Reitan Test Battery and selected other neuropsychological tests.

853 **Behavior Disorders**

Fall. 3(3-0) R: Open only to graduate students in the Department of Psychology. Classification, description, and etiology of behavior disorders. Conceptual models, epidemiology, and review of major diagnostic classification systems.

854 Behavior Disorders in Children and Families

Spring. 3(3-0) RB: PSY 853 R: Open only to graduate students in the Department of Psychology.

Developmental psychopathology. Explanations for the development of child behavior disorders.

855 Theory and Practice of Psychotherapy

Spring. 3(3-0) R: Open only to graduate students in the Department of Psychology. Theoretical approaches to psychotherapy, and the practical application of techniques derived from these theories. Ethnic and gender issues in therapy.

Industrial and Organizational Psychology 860 Fall. 3(3-0) R: Open only to graduate stu-

dents in the Department of Psychology. Theory, research, and practice in organizational training, development, and behavior.

862 **Organizational Psychology and Behavior** Spring. 3(3-0) R: Open only to graduate

students in the Department of Psychology. Theory and research on individual behavior in complex organizations. Industrial and organizational psychology. Linking macro- and micro- research and theory.

863 Seminar in Cognitive Science

Fall, Spring. 1(1-0) A student may earn a maximum of 2 credits in all enrollments for this course. RB: Prior or current graduatelevel work in at least one cognitive science related field

Contemporary issues, problems, theories, and data in cognitive science, seen from a variety of perspectives

Personnel Selection 864

Spring of odd years. 3(3-0) R: Open only to graduate students in the Psychology major.

Methods and research in personnel selection. Job analysis, performance appraisal, and development of predictors. Evaluating validity, reliability, and utility of selection procedures.

Research Methods in Applied 865

Psychology Fall. 3(3-0) RB: PSY 815 R: Open only to graduate students in the Department of

Psychology major. Human resource issues and applied research. Measurement problems and issues. Planning, conduct-ing, analyzing, and disseminating applied research.

Nature and Practice of Cognitive Science 867

Spring. 3(3-0) Interdepartmental with Computer Science and Engineering and Linguistics and Philosophy and Zoology. Administered by Zoology. RB: Undergraduate course work in behavioral biology, cognitive psychology, philosophy, linguistics, or artificial intelligence.

Survey of how different disciplines explore the cognitive processes underlying intelligent behavior.

Ecological-Community Psychology 870

Fall. 3(3-0) RB: PSY 815 or concurrently R: Open only to graduate students in the Department of Psychology.

Theory, methodology and research in experimental ecological approaches to community psychology. Identifying researchable problems and funding. The dynamics of research teams.

871 History and Theory in Ecological-**Community Psychology**

Fall. 3(3-0) RB: PSY 815 or concurrently R: Open only to graduate students in the Department of Psychology.

Theoretical perspectives, contemporary problems, philosophies of science, and ethical issues facing the ecological psychologist.

872 Field Research in Psychology

Spring. 3(2-2) RB: PSY 815 R: Open only to graduate students in the Department of Psychology.

Unobtrusive, observational, and interview measures. Policy analysis, proposal preparation, and research design.

873 **Community Interventions**

Spring. 3(2-2) RB: PSY 815 and PSY 870 and PSY 871 R: Open only to graduate students in the Department of Psychology.

Entry and operational issues in community interventions and research. Group dynamics, community politics, intervention integrity.

Special Problems in Psychology 890

Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to graduate students in the Department of Psychology.

Supervised student research on an experimental, theoretical, or applied problem.

891

Special Topics in Psychology Fall, Spring, Summer. 1 to 6 credits. A stu-dent may earn a maximum of 24 credits in all enrollments for this course. R: Open to graduate students. Approval of department. Supervised student engagement in an experimental,

theoretical or applied topic.

899 Master's Thesis Research

Fall, Spring, Summer. 1 to 8 credits. A student may earn a maximum of 35 credits in all enrollments for this course. R: Open only to graduate students in the Department of Psychology. Master's thesis research.

Scientific and Professional Ethics 926

Spring of odd years. 3(3-0) R: Open to graduate students in the Department of Psychology. Ethical issues in human and animal research. Ethi-

cal decisions involving issues of gender, ethnicity, and cultural diversity in psychological practice.

952 Psychodynamic Theory, Research and

Intervention Across the Life Span Spring of even years. 3(3-0) RB: (PSY 853 and PSY 854) and graduate courses in behavior disorders. R: Open to graduate students in the Department of Psychology.

Psychodynamic theories. Research on psychodynamic theoretical concepts and interventions. Intervention concepts, techniques, and types.

953 Social Systems: Theory, Research, and Intervention Across the Life Span

Fall of even years. 3(3-0) R: Open to graduate students in the Department of Psychology.

Theories, current research, and intervention strategies for communities, families, couples, and groups across the life span.

954 Cognitive-Behavioral Theory, Research, and Intervention Across the Life Span Spring of odd years. 3(3-0) RB: Course(s) in

behavioral disorders. R: Open to graduate students in the Department of Psychology.

Theories, techniques, and empirical bases of behavioral and cognitive-behavioral psychotherapy.

961 Training and Organizational Development

Spring of odd years. 3(3-0) RB: PSY 860 R: Open only to graduate students in the De-partment of Psychology. Theory and research on identification, development,

and evaluation of training activities in organizations. Analysis of organizational functioning and change.

962 Work Motivation and Job Satisfaction

Fall of odd years. 3(3-0) RB: PSY 860 R: Open only to graduate students in the Department of Psychology.

General theories of human motivation, attitudes, and affect. Specific theories of work motivation and job satisfaction.

Advanced Topics in Ecological and 970 **Community Psychology**

Fall, Spring. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. R: Open only to graduate students in the Department of Psychology.

Contemporary ecological and community psychology issues. Program evaluation, systems analysis. Empowerment, social support, and homelessness.

Seminar in Psychology 992

Fall, Spring. 3(3-0) A student may earn a maximum of 18 credits in all enrollments for this course. R: Open only to graduate students in the Department of Psychology.

Theoretical and research topics in psychology.

994 Practicum

Fall, Spring. 1 to 3 credits. A student may earn a maximum of 18 credits in all enrollments for this course. R: Open only to graduate students in the Department of Psycholoav.

Clinical assessment, consultation, and psychotherapy. Supervised experience in assessment, consultation, and psychotherapy with adults, families, and children. Didactic seminar in related theory and research.

Doctoral Dissertation Research 999

Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 75 credits in all enrollments for this course. R: Open only to doctoral students in the Department of Psychology.

Doctoral dissertation research.