

301. Special Problems
Fall, Winter, Spring, Summer. Variable credit. May re-enroll for a maximum of 6 credits. Approval of department.

411. Poultry Seminar
Fall. 1(2-0) May re-enroll for a maximum of 3 credits.
Special articles and reports.

413. Avian Nutrition
Fall. 3(3-0) ANS 325.
Nutrient requirements. Feed ingredients. Factors affecting digestion and utilization of feed. Formulation of practical poultry feeds. Nutritional problems. Systems and practices for feeding poultry.

424. Poultry Breeding and Incubation
Winter of even-numbered years. 4(3-2) ANS 461.
Genetic and biological factors affecting economic characteristics including egg production, egg size, hatchability, growth and viability and factors involved in the hatching of eggs.

435. Poultry Industry-Management and Marketing
Spring of even-numbered years. 5(4-2) 224 or approval of department.
Practical application of economic and management principles to commercial poultry enterprises.

440. Avian Physiology
Spring of odd-numbered years. 4(3-3) Approval of department. Interdepartmental and administered jointly with the Physiology Department.
A survey of the systemic physiology of birds emphasizing digestion, metabolism, the endocrines, and reproduction.

800. Advanced Poultry—Special Problems
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

801. Advanced Poultry Seminar
Fall, Winter, Spring. 2 credits. May re-enroll for a maximum of 6 credits. Approval of department.

899. Research
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

999. Research
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

PSYCHIATRY PSC
College of Human Medicine

508. Medical Psychopathology
Fall, Winter, Spring. 2(1-3) May re-enroll for a maximum of 4 credits. H M 501.

Psychiatric nosology, diagnosis and medical psychopathology. Interview technique, diagnosis of common psychiatric disorders, psychopathology and its behavior disorders encountered in the practice of medicine.

590. Special Problems in Psychiatry
Fall, Winter, Spring, Summer. 1 to 6 credits. May re-enroll for a maximum of 12 credits. Human Medicine students.
Each student will work under direction of a staff member on an experimental, theoretical or applied problem.

PSYCHOLOGY PSY

**College of Human Medicine
College of Social Science**

107. Motivation and University Life
Fall, Winter, Spring. 2(2-0) Referral by Counseling Center and approval of Department.

Seminars on topics of current interest relating psychological principles to problems of university life. Topics include behavior motivation, attitudes and values, perception of self and others, and learning processes.

151. General Psychology
Fall, Winter, Spring, Summer. 4(4-0)

Survey of psychological topics including learning motivation, emotions, intelligence, personality, and social relations. Students participate in psychological experiments outside of class for up to 3 to 5 hours a term.

200. Principles of Behavior
Fall, Winter, Spring, Summer. 5(5-0) 151 or ED 200 or Sophomores with approval of department.

This course recommended for students planning to take more than 12 credits in psychology. Psychology as a science of behavior with emphasis on experimental findings primarily in the fields of learning, perception and motivation. Students participate in psychological experiments outside of class.

215. Introduction to Psychological Measurement
Fall, Winter, Spring, Summer. 4(3-2) 200.

Psychology as a quantitative discipline; graphical presentation and interpretation; psychological data in various content fields; methods of summarizing behavioral data; samples, populations and probability in psychological research; hypothesis testing.

225. Psychology of Personality
Fall, Winter, Spring, Summer. 3(3-0) 151 or 200.

Application of psychological principles to an introductory understanding of personality and interpersonal adjustments; social motivation, frustration, conflicts, and adjustment mechanisms; theories of adjustment, the assessment of personality, problems of mental hygiene and some theories of psychotherapy.

255. Psychology of Business and Personnel
Fall, Winter, Spring, Summer. 3(3-0) 151 or 200.

Application of psychological principles and methods to selection, placement, training, supervision, evaluation, and motivation of personnel; worker and manager efficiency; accident prevention. Introduction to problems of human relations in business and industry.

302. Human Learning and Performance
Winter, Spring. 5(3-4) 215.

Concepts, procedures, issues, and principles involved in the acquisition, retention, transfer and execution of verbal learning, identification, learning, concept formation, and perceptual-motor skills. Representative demonstrations and experiments.

304. Physiological Psychology
Fall, Spring. 3(3-0) One course in experimental psychology; N S 193.

Physiological mechanisms underlying basic behavioral processes, including sensation, emotion, motivation and learning.

310. Sensation and Perception
Fall, Winter, Spring, Summer of even-numbered years. 3(3-0) 200, 215; 311 concurrently.

Concepts, issues and principles in the areas of sensation and perception.

311. Experimental Psychology: Sensation and Perception
Fall, Winter, Spring, Summer of even-numbered years. 2(0-4) 200, 215; 310 concurrently.

Representative experiments and demonstrations in the areas of sensation and perception.

312. Learning and Motivation
Fall, Winter, Spring, Summer of odd-numbered years. 3(3-0) 200, 215; 313 concurrently.

Concepts, issues, and principles of learning and motivation.

313. Experimental Psychology: Learning and Motivation
Fall, Winter, Spring, Summer of odd-numbered years. 2(0-4) 200, 215; 312 concurrently.

Representative experiments and demonstrations in learning and motivation.

315. Psychometric Methods
Fall, Winter, Spring, Summer. 3(2-2) 151 or 215 and approval of department.

Applications of statistical methods and techniques to psychological data in relation to theories, hypotheses, assumptions and interpretation.

325. Traits and Abilities
Spring. 3(3-0) 215.

Ways in which individuals differ in personality: theories, methods, and techniques for understanding and studying personality organization and structure in relation to causation and prediction.

335. Principles of Social Psychology
Fall, Winter, Spring, Summer. 4(4-0) 200 or 3 credits in psychology beyond 151. Students may not earn credit in both 335 and SOC 351.

A critical survey of social psychology with emphasis on psychological principles underlying social behavior. Topics include social perception; motivation; attitudes and attitude change; social interaction in small groups and in large-scale organizations.

336. Psychology of Social Movements
Fall, Spring. 3(3-0) 200 or 335 or SOC 351.

Psychology of political, religious, and other social movements: group identifications and affiliation, socialization, conversion, and defection; the perception of social movements by members; influences of motivation and personality on ideologies and social movements.

337. Legal and Criminal Psychology
Fall, Winter, Spring. 3(3-0) 151 or 200 or ED 200.

Application of psychological principles, methods and techniques to legal and criminal problems and procedures, including the formation, detection, prevention, and rehabilitation of criminal behavior; testimony, legal arguments, trial tactics and the other courtroom procedures.

345. Child Psychology
Fall, Winter, Spring, Summer. 4(4-0) 151 or 200 or ED 200.

Psychological development of the child; genetic, prenatal and postnatal influences; infancy, preschool and school age periods; relations with parents and peers; social, emotional and intellectual development.

346. Middle Childhood

Winter. 3(3-0) 345 or FCS 362.

Emotional, social and intellectual development of school-age child with special emphasis on adjustment to school, peer group, family and community. School achievement, sex education, self-concept, social attitudes, preadolescence.

348. Adolescent Psychology

Winter, Spring, Summer. 3(3-0) 345.

Continuation of 345 covering development and maturation during adolescence, with emphasis on problems of the adolescent's adjustment to his personal and social environment.

356. Psychology of Human Relations in Work Setting

Fall, Winter, Spring. 3(3-0) 255.

Preventing and solving problems among individuals and groups in work organizations; psychological and legalistic approaches compared; illustrations mainly from United States but also from other cultures as appropriate.

357. Psychology of Advertising and Selling

Winter, Spring. 3(3-0) 151 or 200.

Psychological principles, concepts, methods, and results in advertising and selling, "motivation and perception" research.

390H. Honors Seminar

(300H.) Fall. 3(3-0) Juniors or approval of department.

History, theory and current research in selected areas for the preparation of a senior honors paper.

400H. Honors Work

Fall, Winter, Spring, Summer. 3 to 5 credits. May re-enroll for 4 terms. Approval of department.

Seminars in advanced psychological topics, including both factual data and theoretical concepts. Topics include perception, learning, motivation and personality.

401. Experimental Psychology: Perception

Winter. 4(2-4) 215, 310, 311.

Critical examination of problems, principles, methods, techniques, materials, results and conclusions in relation to theory in studies of perception, including experimentation and demonstrations.

403. Experimental Psychology: Human Learning

Fall, Winter, Spring. 4(3-2) 215; 311 or 313, or approval of department.

Critical examination of problems, principles, methods, techniques, materials, results and conclusions in relation to theory in studies of human learning, including experimentation and demonstrations.

404. Experimental Psychology: Problem Solving

Spring. 4(2-4) 215; 311 or 313, or approval of department.

Investigations of problem solving, concept formation and judgement; class and individual experiments.

405. Modern Viewpoints in Psychology

Fall, Winter, Spring. 4(4-0) 310 or 312.

Survey of psychological systems in the modern era including behaviorism, Gestalt psychology, psychoanalysis, neo-behaviorism in relation to other selected disciplines.

406. Comparative Psychology

Spring. 4(4-0) One course in experimental psychology or approval of department.

Comparative method and its application to behavior with emphasis on infrahuman organisms. Review of research on innate behavior, early experience, learning, motivation, and physiological processes.

414. Psychology of Language Behavior

Fall, Spring. 4(3-2) 310 or 312.

Psychological processes underlying meaning, control of verbal behavior, language learning in children and adults, bilingualism, verbal aptitude, and verbal habits in learning and perception.

415. Psychological Tests and Measurements

Fall, Winter, Spring. 5(4-2) Five credits in psychology beyond 151, including 215.

Survey of methods, techniques and instruments for measuring individual differences in behavior; some representative methods of test construction, a critical analysis of representative test, criteria for evaluating and selecting tests, values and limitations of tests, laboratory experience with tests.

425. Abnormal Psychology

Fall, Winter, Spring, Summer. 4(4-0)

225.

Nature of abnormal behavior and its social significance: description of symptoms and dynamics of psychological disorders; the neuroses and psychosomatic reactions, sociopathic behavior and character disorders, functional and somatogenic psychoses; some consideration of therapies and theories of prevention.

426. Survey of Clinical Psychology

Fall, Winter, Spring, Summer. 3(3-0)

225.

Clinical psychology; types of problems; diagnostic instruments, methods and techniques; individual and group therapeutic theories, methods and techniques; professional roles for clinical psychologist.

427. Personality: Dynamic Theories

Fall, Winter, Spring. 3(3-0) 425.

Survey of personality theories of development, structure, and dynamics related to learning, determinants, cultural influences, behavioral disorders and assessment methods.

428. Psychology of Physical Disability

Spring. 3(3-0) 425.

Psychological problems, principles and practices in physical disabilities and handicaps; psychological assessment and diagnosis; counseling and placement; re-education and retraining; attitudes, motivations, and emotion; psychological rehabilitation and adjustment.

430. Experimental Psychology: Personality

Fall, Winter, Spring. 3(3-0) 215; 310 or 312.

Critical survey of experimental investigations of personality dynamics and the effects of individual differences on social interaction; consideration of stress and anxiety, response set, cognitive styles, risk taking and subjective probabilities, and aggression. Emphasizes experimental techniques most relevant for those with clinical and social psychological interests.

431. Experimental Psychology: Personality

Fall, Winter, Spring. 2(0-4) 215; 311 or 313; 430 concurrently.

A laboratory course coordinated with PSY 430, with laboratory demonstration and experiments, conducted by the students, designed to clarify issues in the experimental study of personality, and to provide experience with a variety of investigatory techniques.

436. Psychology of Communication and Persuasion

Fall, Spring. 3(3-0) 335 or SOC

351.

Psychological processes underlying communication and persuasion; learning and using communication in interpersonal relations; effects of communication themes, techniques, symbols, and formats on thought, attitude, and personality of audiences.

437. Psychology of Political Behavior

Winter. 3(3-0) 335 or SOC 351 or 6 credits in sociology or political science. Interdepartmental with the Political Science Department.

Psychological theories, principles, methods and techniques applied to political behavior; belief systems; personality influences; decision making, psychological patterns in legislative voting; political leadership; interpersonal and international relations and tensions.

438. Research Methods in Social Psychology

Fall, Winter, Spring. 4(2-4) 215; 335 or SOC 351; 1 course in experimental psychology.

Critical examination of problems, principles, methods, techniques, materials, results and conclusions in relation to theory in social psychology, including experimentation and demonstration.

445. Psychology of Exceptional Children

Fall, Summer. 3(3-0) Nine credits in psychology and/or education including at least 2 courses in child behavior.

Psychological problems of children having superior or inferior intellectual ability; examination of research studies. Identifying such persons, assessing their potentials and limitations, planning their education and social adjustment.

446. Child Psychology: Research Methods

Fall, Spring. 4(2-4) 215, 345; 311 or 313.

Methods of research in developmental psychology on selected topics such as: perception, learning, language, and social behavior.

455. Personnel Research Techniques

Fall, Spring. 4(3-2) 215, 255.

Quantitative psychological research technique applied to typical personnel problems in industry and government.

456. Training and Supervising

Spring. 3(3-0) 356.

Psychological principles and methods applied to training workers, supervisors, and executives in business, industrial, and governmental organizations.

457. Personnel Interviewing

Winter. 3(3-0) 356 and 415 or 455.

Development of interviewing skills for business, industry and government situations. Integration of interview and test finding. Review of pertinent research methods and findings.

486. Psychology of Music

Fall, Summer. 3(2-2) 151. Interdepartmental with the Music Department.

Study of the psychological aspects of music with emphasis upon problems of perception, psychoacoustics, and experimental esthetics; introduction to music test building, and the relationship of personality theory to musical preference.

487. Psychology of Music

Winter, Summer. 3(2-2) 486. Interdepartmental with the Music Department.

Continuation of 486 plus introduction to basic experimental methods and procedures used in psychology of music research.

489. Humanistic Psychology

Fall, Spring. 4(4-0) 151; S S 233
and a minimum of 12 additional credits in social sciences.

Subject matter is drawn from the psychology of personality in its various forms. The usual approaches of the behavioral sciences are subject to critical analysis. One goal is to derive some elements of a philosophy of life for man as a potentially rational and ethical being.

490. Special Problems in Psychology

Fall, Winter, Spring, Summer. 1 to 6 credits. May re-enroll for a maximum of 12 credits. Approval of department.

Each student will work under direction of a staff member on an experimental, theoretical, or applied problem.

499H. Senior Project

Fall, Winter, Spring. 3(0-6) May re-enroll for a maximum of 6 credits. 390H or approval of department.

Independent research involving literature survey, naturalistic observation, or experimental investigation with staff supervision. Preparation of the Senior paper.

800. Conditioning and Learning

Fall. 4(3-0)

Detailed stimulus-response analysis of the basic operations of conditioning and learning, including such variables as reinforcement, motivation, and inhibitory effects, with an emphasis on infrahuman data.

801. Perception

Fall. 4(3-0) Majors or approval of department.

Consideration in depth of selected topics in perception. Intergration of theoretical and empirical material.

802. Advanced Experimental Psychology: Comparative

Spring. 4(2-4) One course in experimental psychology and 315.

Critical examination of theories and data relating particularly to behaviors of sub-humans. Experimentation on selected topics in the area.

803. Seminar in Industrial Relations

For course description, see Interdisciplinary Courses.

806. Advanced Comparative Psychology

Fall. 4(3-0) Majors or approval of department.

Behavior of infrahuman organisms with emphasis on general behavior processes as seen in a variety of animal forms. The comparative method as applied to innate behavior and behavior modification.

808. Cognitive Processes

Fall, Spring. 4(3-0) A course in experimental psychology.

Critical survey of theories and research on such topics as problem solving, creative thinking, reasoning, judgement, decision making, formation and use of concepts and principles.

810. Human Learning and Performance

Spring. 4(3-0) Majors or approval of department.

Experimental findings and theoretical analyses of the acquisition, retention, transfer and execution of verbal materials and perceptual-motor skills. Selected demonstrations of major phenomena.

811. Advanced Physiological Psychology

Spring. 4(3-0) Majors or approval of department.

Psychology as a biological science. Consideration of physiological events underlying organism-environment interaction.

814. Psychology of Language

Spring. 4(3-0)

Critical survey of research on language acquisition, utilization, and modification; psycholinguistic considerations in study of learning, perception, motivation, and cognitive processes.

815. Advanced Psychometrics

Fall, Winter. 4(4-0) 315.

Theory and practice in analysis and interpretation of psychological data.

816. Advanced Psychometrics

Winter, Spring. 4(4-0) 815.

Continuation of 815.

817. Advanced Psychometrics

Spring. 4(4-0) 816.

Multivariate methods of test analysis: multiple and partial correlation, factor and pattern analysis.

818. Test Construction

Winter of odd-numbered years. 3(3-0)

816.

Theory, methods, and techniques in the preparation and development of psychological test items and tests.

820. Mathematical Models in Psychology I

Fall. 4(4-0) 815 and MTH 227.

Discussion of the relationship between mathematics and psychological theory. Examination of the concepts of structure and change in qualitative psychological systems. Application of algebraic techniques to psychological theory.

821. Mathematical Models in Psychology II

Winter. 4(4-0) 816, 820; approval of department.

Representative mathematical models in psychology, attending particularly to stochastic models and the relationship between models and data. Advantages of various models for different psychological problems.

822. Computer Models in Psychology

Spring. 4(3-2) An undergraduate mathematics course and approval of department.

Use of an electronic computer as a tool in theory construction. Simulation of complex psychological processes. Computer-based models in several psychological content areas.

826. Personality Theory and Research

Fall. 4(4-0) Eighteen credits in psychology.

Major current theoretical approaches and issues, with special emphasis on the relation between theory and research.

827. Personality Theory I

Fall. 4(3-0) Majors or approval of department.

Freudian and neo-Freudian conceptualizations of personality and psychopathology. Examination of basic constructs; theory of psychosexual development; psychotherapeutic implications.

828. Clinical Assessment I

Fall. 2(0-4) Majors or approval of department.

Assessment of psychodynamics and psychopathology. Individual case studies based on interviews and psychological tests. Behavioral correlates of psychodynamic problems.

829. Personality Theory II

Winter. 4(3-0) Majors or approval of department.

Developmental and social-learning approaches to personality and psychopathology; social learning and psychodynamics, socialization, maturational theories, applications of classical and operant conditioning. Psychotherapeutic implications.

830. Clinical Assessment II

Winter. 2(0-4) 828 or approval of department.

Clinical assessment of children. Individual case studies making systematic use of behavior observations, interviews, and standardized tests. Integration of data and principles of development of new assessment procedures.

831. Personality Theory III

Spring. 4(3-0) Majors or approval of department.

Interpersonal and phenomenological approaches to personality theory. Survey of major conceptualizations and principles relating to the presentation of self in individual and group settings. Psychotherapeutic implications.

832. Clinical Assessment III

Spring. 2(0-4) 830 or approval of department.

Self-appraisal and investigation of interpersonal transactions in two-person and larger groups. Standardized techniques, individual case studies, and principles of development of new methods.

835. Experimental Psychology: Social

Fall. 4(2-4) One course in experimental psychology and 315.

Intensive experience in designing, executing, reporting and evaluating research in social psychology, including an individual research project.

837. Psychological Aspects of Politics

Fall, Winter, Spring. 4(3-0) Interdepartmental with and administered by the Political Science Department.

Relevance of psychological concepts, theories and methods for the study of political institutions, organizations and behavior.

840. Advanced Social Psychology: Cognitive Approaches

Winter. 4(3-0) 815; 20 credits in the social sciences.

Contemporary theory and research in social psychology dealing with attitude organization and cognition, values, attitudes and behavior, attitude change and balance theories.

841. Advanced Social Psychology: Group Processes

Spring. 4(4-0) 815; 20 credits in social sciences.

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

845. Infancy and Early Childhood

Spring. 4(3-1) Majors or approval of department.

Human infancy: conception to three years. Developmental study of: prenatal life, personality, learning, perception, sensory stimulation and deprivation, neurophysiology, psychophysiology, language and cognition.

846. Advanced Child Psychology

Fall, Spring. 4(3-0)

Psychological theories and research methods and findings related to the intellectual, emotional, perceptual, social and personality development of the child.

**855. Engineering Psychology:
Individual Man-Machine
Behavior**

Winter. 4(2-0)

Behavior of individuals operating equipment; effects of control and display design, cockpit layout, legibility, physical dimensions; principles for reducing errors; applications to aerospace, military, highway, industrial, and other problems.

859. Personnel Development

Spring. 4(2-0) Fifteen graduate credits.

Psychological principles and methods in the training and development of personnel at all levels of supervision and leadership.

860. Advanced Industrial Psychology

Winter. 4(3-0) A course in statistics and 20 credits in the social sciences.

Industrial psychology, including such sub-areas as personnel psychology, human factors, and industrial social psychology.

862. Organizational Psychology

Winter. 4(2-0) Fifteen graduate credits.

Survey of current theories of individual behavior in complex organizations. Examples from research in industry, government, and other complex organizations.

**866. Personnel Selection and
Evaluation**

Fall. 4(2-0) Fifteen graduate credits.

Critical treatment of research methods and instruments in personnel selection and evaluation as applied to governmental, business and industrial situations.

**867. Field Training in Industrial
Psychology**

Fall, Winter, Spring. Variable credit.

Provides field experience in selected companies to familiarize students with problems and to give training in consulting and research.

**868. Psychological Theory and
Research in Advertising**

Winter. 4(2-0) Ten graduate credits.

Survey and integration of psychological theory and research in advertising in such areas as: motivation, preception, psychophysiology.

**879. Interdisciplinary Seminar:
Behavioral and Historical
Approaches to Problems of
Selected Foreign Areas**

For course description, see Interdisciplinary Courses.

890. Special Problems

Fall, Winter, Spring, Summer. Variable credit. Approval of department.

899. Research

Fall, Winter, Spring, Summer. Variable credit. Approval of department.

901. Psychological Research Methods

Fall. 3(3-0) One graduate course in experimental psychology and 816.

Nature, design and critique of research; theory and interpretation of results; analysis of published research and student results.

902. Special Research Techniques

Fall, Winter, Spring. 1 to 4 credits. May re-enroll for a maximum of 12 credits. Graduate students and approval of department.

**902A. Laboratory in Advanced
Physiological Psychology I**

Fall. 5(2-4) Graduate students and approval of department.

Physiological mechanisms underlying behavior. Development of skills in the methods, techniques, and instrumentation necessary for research in a variety of areas concerned with physiology and behavior with special emphasis on ablative procedures.

**902B. Laboratory in Advanced
Physiological Psychology II**

Winter. 5(2-4) 902A.

Detailed examination of the physiological mechanisms underlying behavior. Development of skills in the methods, techniques, and instrumentation necessary for research in a variety of areas concerned with physiology and behavior with special emphasis on electrical stimulation and recording.

905. History and Systems

Winter. 4(3-0) Thirty graduate credits in psychology.

Major scientific, cultural, philosophical, and personal influences in the development of psychology. Analysis of persisting issues.

**914. Seminar in Advanced General
Psychology**

Fall, Winter, Spring. 1 to 4 credits. May re-enroll in different areas for a maximum of 24 credits. Thirty graduate credits in psychology or approval of department.

Critical study of a selected area such as sensation, perception, motivation, emotions, learning, physiological, comparative, thought and language.

924. Seminar in Measurement

Fall, Winter, Spring. 1 to 4 credits. May re-enroll in different areas for a maximum of 16 credits. Thirty graduate credits with 15 of them in psychology.

Critical study of a selected area such as factor analysis, pattern analysis, partial and multiple correlational analysis, psychophysical methods, scaling, reliability and validity, and factorial designs.

**928. Practicum: Psychological
Clinic I**

Fall. 3(2-2) Approval of department.

Introduction to clinical evaluation and treatment. Supervised experience in psychodiagnosis and psychotherapy of adults and children in the Psychological Clinic. Primary focus on work with families. Didactic seminar in related theory and research.

**930. Practicum: Psychological
Clinic II**

Winter. 3(2-2) 928.

Continuation of 928.

**932. Practicum: Psychological
Clinic III**

Spring. 3(0-6) 930.

Continuation of 930.

934. Seminar in Personality

Fall, Winter, Spring. 1 to 4 credits.

May re-enroll in different areas for a maximum of 16 credits. Thirty graduate credits with 15 of them in psychology.

Clinical study of a selected area such as theory, assessments, dynamics, structure, the self and determinants.

**935. Contemporary Theory and
Research in Social Psychology**

Fall. 3(2-0) Thirty graduate credits in psychology.

An intensive analysis of contemporary social psychological research monographs illustrating theoretical and methodological positions.

936. Attitudes and Personality

Winter. 3(2-0) Thirty graduate credits.

Review and analysis of research on sentiments, beliefs and opinions, authoritarianism, pseudo-authoritarianism, and democratic personality; functions, resistance to change and relation to value systems and ideology.

**937. Individual Behavior and
Complex Groups**

Spring. 3(2-0) Thirty graduate credits.

Problems of research design and experimental method in the study of the relationship of the individual to the complex organization.

944. Seminar in Social Psychology

Fall, Winter, Spring. 1 to 4 credits.

May re-enroll in different areas for a maximum of 16 credits. Thirty graduate credits or approval of department.

Critical study of a selected area such as roles, communication and persuasion, individual interaction within small and large groups, behavior in relation to norms and interpersonal distances.

**954. Seminar in Developmental
Psychology**

Fall, Winter, Spring. 1 to 4 credits.

May re-enroll for a maximum of 16 credits in different areas. Thirty graduate credits, 3 of which must be in child psychology.

Critical study of a selected area such as theory, techniques and methods of observation, parental attitudes and practices, intellectual, personal and social development, motivational, emotional, perceptual, and intellectual issues.

**956. Engineering Psychology:
Systems Approach**

Spring. 4(2-0)

Human factors in "system" operation; sub-systems, analysis methods, criteria, information processing, communication, trade-offs; application to aerospace, military, highway, industrial, and other problems.

969. Seminar in Industrial Psychology

Fall, Winter, Spring. 1 to 4 credits.

May re-enroll in different areas for a maximum of 16 credits. Thirty graduate credits including 15 in psychology.

Critical study of a selected area such as interpersonal relations in industry, personnel selection, evaluation and classification, training, leadership, supervision, motivation of workers, safety engineering psychology and contemporary literature.

973. Rorschach Method

Winter. 4(4-0) 832.

History and hypotheses of the method. Review of research. Administration and scoring of the test. Introduction to interpretation.

975. Advanced Practicum: Psychological Clinic
Fall, Winter, Spring. Variable credit.

932. Clinical experience in assuming responsibility for total case integration and interpretation of findings to parents and agencies.

976. Psychopathology: Psychoanalytic Theory, Neuroses and Psychosomatics
Fall. 3(3-0) 427, 832.

Kraepelinian, Pavlovian, and Freudian traditions in abnormal psychology and psychiatry. Psychoneuroses and psychosomatics with major emphasis in psychoanalytic approaches. Research and problems. Psychogenic and somatogenic positions in psychopathology.

977. Psychopathology: Psychoses and Developmental Disorders
Winter. 3(3-0) 976.

Behavioral and development disorders such as psychopathy, delinquency, mental deficiencies; selected functional and organic psychotic syndromes; psychosis as distinguished from psychoneurosis; continuity versus discontinuity of normal to abnormal behavior. Research considerations.

979. Counseling and Psychotherapy
Fall. 3(2-2) Approval of department.

Psychotherapy with late adolescents and adults. Various points of view with emphasis on interpersonal relationship and client-centered approaches. Techniques for introducing therapeutic movement. Study of tape recordings and research findings.

980. Practicum: Individual Counseling and Psychotherapy
Winter. 3(2-2) 979 and approval of department.

Detailed study of psychotherapeutic interviews aimed at developing skill as a psychotherapist. Therapeutic and assessment techniques, interview dynamics and psychotherapeutic movement studied by means of verbatim transcriptions, tape recordings, films, role playing, and observation.

981. Practicum: Counseling and Psychotherapy
Spring. 3(0-6) 980 and approval of department.

Counseling with a variety of clients at the University Counseling Center. Group and individual discussions of problems, processes, counselor-client interaction, and professional ethics.

982. Advanced Practicum: Counseling and Psychotherapy
Fall, Winter, Spring. Variable credit.

981. Counseling and psychotherapy with a variety of clients of the University Counseling Center.

983. Child Psychotherapy
Fall. 2 to 4 credits. 981.

Dynamic process underlying therapy with children; methods and techniques; the child's symbolic communications through language, art, and play materials; assessing progress of therapy; review of research. Practicum cases.

984. Group Psychotherapy
Spring. 3(2-2) 981.

Research-oriented treatment of the theories, principles and techniques in group psychotherapy. Role of the leader, problems of member selection and evaluation of progress. Limited, supervised experience as a group participant.

985. Seminar in Clinical Psychology
Fall, Winter, Spring. 1 to 4 credits.
May re-enroll in different areas for a maximum of 16 credits. Forty-five graduate credits in psychology.

Critical study of a selected area such as theories, diagnosis, projective techniques, psychotherapies, hypnosis, psychopathologies.

999. Research
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

RELIGION

REL

College of Arts and Letters

100. Introduction to Christianity
(215.) Fall, Winter, Spring. 3(3-0)
Students may receive credit in only one of the following: 100, 101, 105.

An introduction to the study of religion through a nonnormative systematic description of the principal doctrines of the Christian Religion: Protestant, Anglican, Orthodox, and Roman Catholic.

201. Comparative Religion
Fall, Winter, Spring. 3(3-0)

An introduction to essential ideas of the nature of man, the universe, existence, and ultimate reality found in the great World Religions.

220. Old Testament
Fall. 3(3-0)

A study of the history, literature and religion of Israel based on a critical examination of the Biblical texts.

221. Old Testament
Winter. 3(3-0)

A continuation of 220.

222. New Testament
Spring. 3(3-0)

A study and analysis of the texts of the New Testament in light of their historical setting.

300. Life of Christ
Fall. 3(3-0)

The life of Christ as recorded in the Gospels in light of Christian tradition and ancient and modern scholarship.

302. Writings of St. Paul
Fall. 3(3-0)

Analysis of the major Pauline letters together with the Book of Acts in the light of their significance for the early Church and for contemporary Christianity.

315. Eastern Christianity
Spring. 3(3-0) Juniors.

Origins, faith and practice of the Orthodox Church in Russia and Eastern Europe, with attention to the history, beliefs and rites of the Coptic, Armenian, Ethiopian, and other Monophysite and Nestorian Churches and Uniate movement.

330. Judaic Studies
Spring. 3(3-0)

Historical survey of Judaism and contemporary Jewish theologians.

345. Religions of China
Spring of odd-numbered years. 3(3-0)
Juniors.

Confucianism, Taoism, Chinese Buddhism, and minor religious communities. Origins and historical development, interactions and current status and trends.

346. Religions of Japan
Spring of even-numbered years 3(3-0)
Juniors.

Shinto, Japanese Buddhism, Ryobu, Zen, the "New Religions." Origins, historical development, inter-reactions, current status and trends.

400H. Honors Seminar
Fall, Winter, Spring. 3(3-0) Approval of department.

401. Christian Ethics and Society
Winter. 4(4-0) Juniors.

The Biblical and theological basis for social action will be examined, also such areas of contemporary discussion as relation of love to justice, individual ethic to social ethic, situation to principle, the social order.

404. Christian Thought: Early and Eastern
Fall. 3(3-0) Juniors.

Development of Christology and the institutional Church, especially in the east from the first to the eleventh century. Gnosticism, Docetism, the Ecumenical Councils and major theologians studied from primary and secondary sources.

405. Christian Thought: Tertullian to Erasmus
Winter. 3(3-0) Juniors.

A study of representative western theologians from the North African to pre-reformation figures. Development of the papacy, scholasticism, medieval symbolism, and ecclesiastical movements in the western church. Historical roots of modern Christian doctrines.

410. Religion in American Culture
Spring. 3(3-0) Juniors.

Development of religion in America from Puritan New England to modern pluralism; general analysis of religion and culture; contemporary issues of church and state relationships in American society.

430. Religious Dimensions in Literature
Spring. 3(3-0) Juniors.

Theological criticism in literature and literary works as reflections of Christian thought from ancient to modern times. Specific works studied will vary from term to term.

441. Hinduism
Fall. 3(3-0) Juniors.

The roots of Hinduism in Vedic tradition and Dravidian religion and the historical development of Hinduism. Hindu beliefs, rituals, practices, philosophical systems, spiritual paths, sects, and caste system. Role of Hinduism in Indian society.

442. Buddhism
Winter. 3(3-0) Juniors.

Origin, development, types, and expansion of Buddhism. Beliefs and moral principles; the problem of life and the nature of existence; interpretation of freedom; explanation of the relation of being, thought, and action. Buddhist renaissance today.

443. Islam
Winter. 3(3-0) Juniors.

The life and environment of Muhammad; analysis of the Qur'an; basic Islamic law, beliefs, schools of thought, and movements; history and expansion; unity and variety in Muslim civilizations; modern trends.