521. Psychopathology
Spring, 3(3-0) FSC 520 or concurrently.
Recognition, description, and treatment of most
psychopathologic states will be taught using lec-
tures, audio-visual presentations, and group dis-
cussions.

523. Fundamentals of Personality
Disfunction
Winter, 3(3-0) Admission to a college
of medicine and approval of department; H M
514 concurrently.
Major psychiatric disorders. Mental disorders and
patient behavior that will be of value in
working with nonpsychiatric and psychiatric
patients.

533. Behavioral Problems: Infancy
through Adolescence
Fall, 3(3-0) FSC 572. Interdepartmental
with the Department of Pediatrics and Human
Development. Administered by the
Department of Pediatrics and Human
Development.
Origin, course and treatment of disorders of
function and behavior in infancy through early
adolescence commonly seen by physicians.
Emphasis on role of development and biopsychosocial
interaction.

574. Behavioral-Emotional Problems:
Adulthood
Winter, 3(3-0) PHD 573.
Origin, course and treatment of disorders of
and behavior in late adolescence through adulthood
commonly seen by primary care physicians.
Emphasis on role of development and biopsychosocial
interaction.

590. Special Problems in Psychiatry
Fall, Winter, Spring, Summer. 1 to 6
credits. May enroll for a maximum of 12 cred-
its. Medical students; graduate students with
approval of department.
Each student will work under direction of a staff
member on an experimental, theoretical or
applied problem.

608. Psychiatry and Behavioral Science
Clerkship
Fall, Winter, Spring, Summer. 2 to 12
credits. Admission to a college of medicine;
grade P in all courses in terms 1 through 8 for
College of Osteopathic Medicine students.
Contemporary practice of psychiatry utilizing supervised in-patient, out-patient, emergency and
community mental health services.

609. Subspecialty Clerkship: Adult
Psychiatry
Fall, Winter, Spring, Summer. 4 to 16
credits. May enroll for a maximum of 16 cred-
its. FSC 608.
Subspecialty experiences in psychiatry in clinical
settings with adults.

610. Subspecialty Clerkship: Child
Psychiatry
Fall, Winter, Spring, Summer. 4 to 16
credits. FSC 609. Interdepartmental with the
College of Osteopathic Medicine.
Subspecialty experiences in psychiatry in clinical
settings with child patients and their families.

Psychology — Description
of Courses

PSYCHOLOGY

College of Human Medicine
College of Social Science

139. Psychology of Women
Winter, Spring, 3(3-0) Primarily for
Freshmen and Sophomores.
Psychological development of sex-typed behav-
ior and sex differences in cognitive and personality
functioning; reproductive behavior; impact of
social expectations on self-concept, achievement
and affiliation orientations, and life decisions.

160. Introductory Psychology:
Social-Personality
Fall, Winter, Spring, Summer. 4(2-2)
Principles underlying the behavior of humans and
animals. Topics include: cognition, emo-
tion, motivation, learning, sensation, and per-
ception. Students may participate in
psychological experiments outside of class.

215. Introduction to Psychological
Measurement
Fall, Winter, Spring, Summer. 4(2-2)
PSY 160 or PSY 170.
Psychology as a quantitative discipline; graphi-
cal presentation and interpretation; psychologi-
cal data in various content fields; methods of
summarizing behavioral data; samples, popula-
tions and probability in psychological research;
hypothesis testing.

225. Psychology of Personality
Fall, Winter, Spring, Summer. 3(3-0)
PSY 160 or T E 200 or Sophomores with
approval of department.
Application of psychological principles to an
introductory understanding of personality and
interpersonal adjustments; social motivation, frustration, conflicts, and adjustment mecha-
nisms; theories of adjustment, the assessment of
personality, problems of mental hygiene and some theories of psychotherapy.

244. Developmental Psychology:
Infancy through Childhood
Fall, Winter, Spring, Summer. 4(4-0)
PSY 160 or PSY 170 or T E 200.
Developmental psychology of the infant and
child including biological, social, cognitive,
normal, perceptual and cultural development;
relations with care givers and peers as well as
development of individual characteristics.

246. Sensitivity to Children I
Fall, 3(2-2) To receive credit PSY 246,
PSY 247. PSY 248 must be completed satisfac-
torily except by prior arrangement with instruc-
tor. Sophomores and 3 credits in psychology.
Students who have completed more than 6 cred-
its of PSY 490 and 491 combined may not
enroll in PSY 246.
Three-term sequence emphasizes supervised
weekly play with a child and analysis of video-
taped recordings. Readings and discussions
cover problems faced by child therapist, teachers
and parents.
247. Sensitivity to Children II  
Winter, 3(2-2) To receive credit PSY 246, PSY 247, PSY 248 must be completed satisfactorily by prior arrangement with instructor, PSY 246.  
Continuation of PSY 246.

248. Sensitivity to Children III  
Spring, 3(2-2) To receive credit PSY 246, PSY 247, PSY 248 must be completed satisfactorily, PSY 247.  
Continuation of PSY 247.

255. Organizational and Personnel Psychology  
Fall, Winter, Spring, Summer, 3(3-0)  
Introductory course in psychology. The psychology of managing and leading, personnel operations, and the humanizing of work

291. Independent Study: Research Participation  
Fall, Winter, Spring, Summer, 1 to 3 credits. May reenroll for a maximum of 6 credits. PSY 160 or PSY 170, PSY 215.  
Student participates as an assistant in an ongoing psychological research project under the direction of a staff member in order to become familiar with the procedures of psychological research.

300. Cognitive Psychology  
Fall, Winter, Spring, Summer, 4(4-0)  
PSY 170, PSY 215, 10 credits of psychology or approval of department.

301. Human Learning and Memory  
Winter, Spring, 4(4-0) PSY 170, PSY 215 or a college level mathematics or statistics course.

302. Laboratory in Cognitive Psychology  
Fall, Winter, Spring, 3(2-2) PSY 170, PSY 215, PSY 300 or PSY 170, PSY 215; PSY 300 concurrently.

309N. Fundamentals of Physiological Psychology  
Fall, Spring, 3(3-0) CEM 141, PSY 240. For students in the natural and life sciences. Students may not receive credit in both PSY 309N and PSY 309S.

Central nervous system functional anatomy and physiological bases of behaviors, including neural and hormonal control of biohythms, reproduction, hunger and thirst.

309S. Survey of Physiological Psychology  
Fall, Spring, 3(3-0) PSY 170. For students in the social sciences and liberal arts. Student may not receive credit in both PSY 309N and PSY 309S.

Current topics in behavioral biology, including the physiology of learning and memory, hormones and behavior, and human neurophysiology.

312. Learning and Motivation  
Fall, Winter, Summer of odd-numbered years, 3(3-0) PSY 170, PSY 215; PSY 312 concurrently.

Detailed analysis of basic conditioning processes such as reinforcement, discrimination, generalization, punishment, and avoidance behavior, and theoretical and experimental methods of learning. Emphasis on human learning, but applications to human behavioral modification are considered.

313. Experimental Psychology: Learning and Motivation  
Fall, Winter, Summer of odd-numbered years, 3(1-4) PSY 170, PSY 215; PSY 312 concurrently.

Representative experiments in operant behavior, including an individual project selected by the student, using the pigeon as the laboratory animal.

316. Sensory Processes  
Winter, 3(3-0) PSY 170; PSY 215 or a college level mathematics or statistics course.

Sensory organs and their associated neural systems as they relate to sensory phenomena; emphasis on vision. Review of major methodologies.

317. Perception  
Fall, 3(3-0) PSY 170.

Concepts, principles, results, and applications in perception; emphasis on vision.

320. Health Psychology  
Fall, Spring, 3(3-0) PSY 160 or PSY 170.

Psychological factors influencing health and illness. Topics will include stress and coping, personality and health, symptom perception and reporting, heart disease, cancer, compliance, and health maintenance and promotion.

325. Psychological Health and Self-Esteem  
Fall, Winter, Spring, 3(3-0) PSY 160 or PSY 170, PSY 225; or approval of department.

Psychological understandings of affect as a mediator of stress, self-esteem, and powerlessness. Development of psychological health, personal identity and interpersonal competence through principles of affect. Approved through Fall 1990.

335. Principles of Social Psychology  
Fall, Winter, Spring, 4(4-0) PSY 160. Students may not earn credit in both PSY 335 and SOC 251.

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.

337. Legal and Criminal Psychology  
Fall, Winter, Spring, 3(3-0) PSY 160 or T E 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 argumentation, and the courtroom procedures.

344. Developmental Psychology: Adolescence and Youth  
Winter, Spring, Summer, 3(3-0) PSY 244.

Continuation of PSY 244 covering development during adolescence and youth with emphasis on problems of identity and adjustment to the social environment.

356. Organizational Psychology  
Fall, Spring, 3(3-0) An introductory course in psychology; PSY 255 or MGT 310. Students may not earn credit in both PSY 356 and MGT 418.

Leader behavior, attitudes, interpersonal behavior, motivation and communication of individuals in organizations.

357. Consumer Psychology  
Fall, Winter, Spring, 3(3-0) PSY 335 or SOC 251; or approval of department.

Psychology underlying techniques of effective advertising, selling, and marketing. Psychology relevant to living in a marketing-oriented culture.

370. Psychology and Social Innovation  
Winter, 3(3-0) PSY 160 or PSY 170.

Planning, implementing and evaluating experimental approaches to social problems. Topics include: adoption of innovations; field research problems; science and policy formation; parameters of program evaluations.

371. Community Projects I  
Fall, Winter, Spring, 4(2-4) PSY 160 or PSY 170, approval of department. Students who have completed more than 6 credits of PSY 160 and PSY 491 combined may not enroll in PSY 371.

Experience in working directly with adolescent offenders from the local community. Techniques of intervention with adolescents, their families, and social systems which affect them.

372. Community Projects II  
Fall, Winter, Spring, 4(2-4) PSY 371, approval of department.

Continuation of PSY 371 with primary focus on direct work with adolescents, their families and social systems which affect them.

373. Community Projects III  
Fall, Winter, Spring, 4(2-4) PSY 372. Approval of department.

Continuation of PSY 372.

390H. Honors Seminar  
Fall, Winter, Spring, 1 to 5 credits. May reenroll for a maximum of 15 credits when different topics are offered. Honors students and approval of department.

History, theory, and current research in selected areas of psychology, including personality, motivation, perception, learning, industrial, ecological, mathematical, developmental, social, and clinical.

400. Selected Topics in Psychology  
Fall, Winter, Spring, 2(2-0) to 5(0-0) May reenroll for a maximum of 12 credits. Approval of department.

Selected topics in the areas of experimental, developmental, social, industrial, personality, mathematical, ecological, or clinical psychology.

403. Experimental Psychology: Human Learning  
Spring, 4(4-0) PSY 215 or approval of department.

Application of principles of learning and motivation to humans of various ages and abilities in educational and noneducational settings. Some application to animal behavior. Extended practical (PSY 490-PSY 491) may be taken concurrently to complete appropriate projects.
405. Modern Viewpoints in Psychology
Fall, Spring. 3(3-0) 15 credits in psychology.
Survey of psychological systems in the modern era, including behaviorism, Gestalt psychology, psychoanalysis, neo-behaviorism in relation to other selected disciplines.

409. Advanced Concepts in Physiological Psychology
Fall, Spring. 4(4-0) PSY 309N or approval of department.
Detailed analysis of advanced concepts in physiological psychology, such as vision, audition, somatic sensation, chemical senses, motivation, emotion, perception, arousal, learning, and the influence of hormones on behavior.

414. Psychology of Language
Winter of odd-numbered years. 4(4-0) PSY 300.
Experimental psychology of language, including speech perception, sentence processing, prose comprehension and memory, and language production.

415. Psychological Tests and Measurements
Fall, Winter, Spring. 5(5-0) PSY 215.
Methods, techniques, and instruments for measuring individual differences in behavior. Standard methods of construction, critical analysis of representative tests, criteria for evaluating and selecting tests, values and limitations of tests.

424. Child Psychopathology
Fall, Winter, Summer. 4(4-0) PSY 244 or approval of department.
Description, etiology, and developmental pattern of behavior problems of children and adolescents; introduction to child and family treatment approaches.

425. Abnormal Psychology
Fall, Winter, Spring. 4(4-0) PSY 225.
Nature of abnormal behavior and its social significance: description of symptoms and dynamics of psychological disorders; the neuroses and psychoanalytic reactions; sociopathic behavior and character disorders, functional and somatoform psychoses; some consideration of therapies and theories of prevention.

427A. Personality: Dynamic Theories
(427) Fall, Winter, Spring. 3(3-0) PSY 425.
Survey of personality theories of development, structure, and dynamics related to learning, determinants, cultural influences, behavioral disorders and assessment methods.

427B. Survey of Personality Research
(PSY 436) Fall. 3(3-0) PSY 160, PSY 215, PSY 427A or approval of instructor.
Empirical investigations of personality dynamics and the effects of individual differences on subjective experience and social interaction.

435. Advanced Social Psychology
A. Research Methods in Social Psychology
(436) Fall, Winter, Spring. 4(2-4) PSY 215; PSY 335 or SOC 251; 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.

B. Social Cognition
Fall. 3(3-0) PSY 335 or SOC 251.
Theories and research on social cognition. Person perception, attribution theory, theories of the self, person memory.

C. Interpersonal Behavior and Relations
Winter. 3(3-0) PSY 335 or SOC 251.
Theories and recent research in interpersonal behavior. Social exchange, prosocial behavior, aggression, attraction and prejudice.

D. Attitudes
Spring. 3(3-0) PSY 335 or SOC 251.
Classical theories of attitude formation and change, dissonance theory, inoculation theory and the persuasion-communication approach.

E. Group Behavior
Spring. 3(3-0) PSY 335 or SOC 251.
Theories and research on small group behavior.

439. Selected Topics in the Psychology of Women
Fall, Spring. 3(3-0) May reenroll for a maximum of 9 credits when different topics are offered. Nine credits in psychology or approval of department.
Selected topics: e.g., achievement and affiliation behavior, sex-typed behavior and identity, political socialization of women; personality perspectives; psychobiology of women; professional and traditional orientations; third world women.

444. Advanced Developmental Psychology
A. Social Development
Fall of odd-numbered years. 4(4-0) PSY 180, PSY 170, PSY 215, PSY 244 or approval of department.
Theories and recent research in social development of infants, children, and adolescents.

B. Cognitive Development
Winter of even-numbered years. 4(4-0) PSY 160, PSY 170, PSY 244 or approval of department.
Recent approaches to cognitive development. A view of selected theories and experiments.

C. Language Development
Spring of odd-numbered years. 4(4-0) PSY 160, PSY 170, PSY 244 or approval of department.
Psychological theories and experiments in the development of language in the child, including both social and cognitive effects of language development.

D. Applied Development
Fall of even-numbered years. 4(4-0) PSY 160, PSY 170, PSY 244 or approval of department.
Selected behavior problems in development. Topics may include: child psychopathology, physical and emotional disabilities, speech disorders, cognitive-intellectual deficits.

455. Personnel Research Techniques
Fall, Spring. 4(3-2) PSY 215, PSY 255.
Quantitative psychological research technique applied to typical personnel problems in industry and government.
Description — Psychology of Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Fall, Winter, Spring</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>491</td>
<td>Participation in Psychological Projects</td>
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<tr>
<td>499H</td>
<td>Senior Project</td>
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<tr>
<td>800</td>
<td>Conditioning and Learning</td>
<td>Fall, Winter, Spring</td>
<td>3(3-0)</td>
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<tr>
<td>804A</td>
<td>Neuroscience Laboratory I</td>
<td>Winter, 4(2-4)</td>
<td></td>
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<tr>
<td>804B</td>
<td>Neuroscience Laboratory II</td>
<td>Spring, 4(2-4)</td>
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<tr>
<td>805</td>
<td>History and Systems</td>
<td>Fall of even-numbered years, 3(3-0)</td>
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<tr>
<td>810</td>
<td>Cognitive Processes</td>
<td>Winter, 3(3-0)</td>
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<tr>
<td>811</td>
<td>Advanced Physiological Psychology</td>
<td>Spring, 4(4-0)</td>
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<tr>
<td>812</td>
<td>Mathematical Models in Psychology I</td>
<td>Winter of even-numbered years, 4(4-0)</td>
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<tr>
<td>813</td>
<td>Mathematical Models in Psychology II</td>
<td>Winter of even-numbered years, 4(4-0)</td>
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<tr>
<td>814</td>
<td>Psycholinguistics</td>
<td>Spring, 4(3-0)</td>
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<tr>
<td>815</td>
<td>Advanced Psychometrics</td>
<td>Fall, Winter, Spring, 4(4-0)</td>
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<tr>
<td>816</td>
<td>Advanced Psychometrics</td>
<td>Winter, Spring, 4(4-0)</td>
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<tr>
<td>817</td>
<td>Advanced Psychometrics</td>
<td>Spring, 4(4-0)</td>
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<tr>
<td>818</td>
<td>Test Construction</td>
<td>Winter, 4(4-0)</td>
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<tr>
<td>820</td>
<td>Mathematical Models in Psychology I</td>
<td>Fall, 4(4-0) MTH 1111 and STT 201 or approval of department</td>
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<tr>
<td>821</td>
<td>Mathematical Models in Psychology II</td>
<td>Winter of even-numbered years, 4(4-0)</td>
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<tr>
<td>828</td>
<td>Clinical Assessment I</td>
<td>Fall, 2(0-4) Majors or approval of department</td>
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<tr>
<td>830</td>
<td>Clinical Assessment II</td>
<td>Winter, 2 or 3 credits</td>
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<tr>
<td>832</td>
<td>Clinical Assessment III</td>
<td>Spring, 2 or 3 credits</td>
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<tr>
<td>833</td>
<td>Research Methods in Clinical Psychology</td>
<td>Fall, 4(3-2) Majors or approval of department</td>
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<tr>
<td>835</td>
<td>Experimental Psychology: Social</td>
<td>Fall, 4(2-4)</td>
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<tr>
<td>840</td>
<td>Advanced Social Psychology: Cognitive Approaches</td>
<td>Winter, 4(4-0)</td>
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<tr>
<td>845</td>
<td>Developmental Psychology: Infancy</td>
<td>Fall of odd-numbered years, 4(4-0)</td>
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<tr>
<td>847</td>
<td>Developmental Psychology: Adolescent and Youth</td>
<td>Spring of even-numbered years, 3(3-0)</td>
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<tr>
<td>848</td>
<td>Developmental Psychology: Adolescence and Youth</td>
<td>Spring of even-numbered years, 3(3-0)</td>
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<tr>
<td>854</td>
<td>Developmental Psychology: Adulthood and Aging</td>
<td>Spring of odd-numbered years, 3(3-0)</td>
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<tr>
<td>859A</td>
<td>Developmental Psychopathology I</td>
<td>Fall, 3(0-2) Approval of department</td>
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</tbody>
</table>

Note: Courses are offered in various semesters as indicated in parentheses. Credits vary depending on course requirements.
850B. Developmental Psychopathology II
Winter. 3(3-0) PSY 850A or approval of department.

Externalizing and internalizing disorders of childhood and adolescence including conduct, affective, anxiety withdrawal, adjustment reaction, personality, eating, psychosocial, and disorders with physical manifestations.

850C. Developmental Psychopathology III
Spring. 3(3-0) PSY 850B or approval of department.

Adolescent and adult psychopathology from a developmental perspective; marital and family pathology as system dysfunctions; conceptual frameworks for these phenomena; description/diagnosis, etiology and intervention with some representative pathologies.

851. Neuropsychology
Fall. 4(4-0) Graduate students in psychology or approval of instructor.

Basic research and theory in the neuropsychology of cognition, language, memory, emotions, manual performance, visual-spatial functions, lateral specialization, and the relationship between brain lesion and recovery of function.

852A. Neuropsychological Assessment
Spring of odd-numbered years. 2(2-0) PSY 811, ANT 563, PSY 851; or approval of department.

Theory, research, and practice related to the behavioral expression of brain dysfunction in adults. Overview of selected neuropsychological instruments in current use and their clinical applications.

852B. Neuropsychological Assessment Laboratory
Spring of odd-numbered years. 3(0-6) PSY 852A concurrently, clinical psychology graduate student; or approval of department.

Intensive practice in the administration of neuropsychological assessment instruments with emphasis on the Halstead-Reitan Test Battery.

860. Advanced Industrial Psychology
Fall. 4(4-0) Twenty credits in the behavioral sciences or organizational behavior, and a course in statistics.

Industrial and organizational psychology as a science and as a profession.

862. Organizational Psychology
Winter. 4(4-0) Fifteen graduate credits.

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

865. Advanced Neurobiology
Spring. 4(4-0) ZOL 827. Interdepartmental with the departments of Anatomy, Physiology, and Zoology. Administered by the Department of Anatomy.

Basic organization, structure and function of neural networks comprising sensory, motor, and autonomic systems including examples from invertebrates and vertebrates. Attendance at neuroscience seminar is required.

866. Personnel Selection and Evaluation
Fall of even-numbered years. 3(3-0) Fifteen graduate credits.

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

870A. Introduction to Ecological Psychology
Fall. 3(3-0) PSY 815 concurrently or approval of department.

Experimental ecological psychology; methodology. Researchable problems, funding, dynamics of research teams, identifying ecological variables.

870B. Foundations of Ecological Psychology: Measurement Approaches
Winter. 3(3-0) PSY 870A; PSY 815 concurrently or approval of department.


870C. Foundations of Ecological Psychology: Dissemination Methods
Spring. 3(3-0) PSY 870B or approval of department.

Use of psychological research to produce social change. Creation of acceptance of social change. Evaluation of effectiveness of experimental interventions into social systems.

873A. Methods of Ecological Psychology: Historical Perspectives
Fall. 3(3-0) PSY 870A concurrently or approval of department.

Ecological-community psychology literature; identifying social problems, methods for their solution, and the philosophical, political, and role definition issues confronting the ecological-community psychologist.

873B. Methods of Ecological Psychology: Field Research Design I
Winter. 3(3-0) PSY 873A; PSY 816 concurrently or approval of department.

Planning and design of innovative field research including research planning, experimental design, program evaluation, measurement, data gathering, validity and reliability, and the dissemination of research results.

873C. Methods of Ecological Psychology: Field Research Design II
Spring. 3(3-0) PSY 873B; PSY 817 concurrently or approval of department.

Discussion of unobtrusive, observational, and interview measures and policy analysis, preparation of major research proposal and in class research project; implementation of field research.

876A. Community Interventions: Entry and Assessment
Fall. 2(2-6) PSY 873A concurrently.

Entry issues in actual community interventions; group dynamics; community relationships; methods of conducting community research.

876B. Community Interventions: Social Change Tactics
Winter. 2(2-5) PSY 876A; PSY 873B concurrently.

Conduct community experiments, analysis of public policies, and dissemination of scientific information to community setting.

877. Applications in Field Research
Spring. 2(2-0) PSY 876B; PSY 873C concurrently or approval of department.

Use of computer programs for field research, data coding, and analysis of field data in ecological psychology.

878. Proseminar in Ecological Psychology
Fall. 4(4-0) PSY 870C; PSY 873C or approval of department.

Major theoretical perspectives within ecological psychology. Alternative conceptualizations of social issues, methods of social change, measurement of social problems, and analytical strategies.

880A. Basic Concepts and Issues in Clinical Psychology
Fall. 3(3-0) Clinical majors or approval of department.

Concepts and issues underlying research and professional practice in modern adult clinical psychology. Emphasis on personality development and clinical interventions, such as psychotherapy, behavior therapy, family therapy, and community approaches.

880B. Basic Concepts and Issues in Clinical Psychology
Spring. 3(3-0) PSY 880A, approval of department.

Continuation of PSY 880A.

880C. Basic Concepts and Issues in Clinical Psychology
Spring. 3(3-0) PSY 880B, approval of department.

Continuation of PSY 880B.

885. Vertebrate Neural Systems I
(PSY 885) Winter of odd-numbered years. 3(3-4) ANT 815, ANT 885 recommended. Interdepartmental with the departments of Anatomy, Physiology, and Zoology. Administered by the Department of Anatomy.

Structure and function of major component systems of vertebrate brains, their evolution, ontogeny and comparative analysis in mammals, birds, reptiles, amphibians and fish. Interrelation of behavioral, anatomical and physiological studies.

886. Vertebrate Neural Systems II
(ZOL 886) Spring of odd-numbered years. 3(3-4) ANT 885, Interdepartmental with the departments of Anatomy, Physiology, and Zoology. Administered by the Department of Anatomy.

Continuation of ANT 885. Major component systems of vertebrate brains, their evolution, ontogeny, and comparative analysis in mammals, birds, reptiles, amphibians and fish. Interrelation of behavioral, anatomical, and physiological studies.

890. Special Problems
Fall, Winter, Spring, Summer. 1 to 12 credits. May enroll for a maximum of 36 credits. Approval of department.

899. Master's Thesis Research
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

908. Seminar in Organization Theory
Winter. 4(4-0) MGT 860; doctoral candidates: master's candidates with approval of department. Interdepartmental with and administered by the Department of Management.

Directed reading and research on issues in contemporary organization theory.
914. Seminar in Advanced General Psychology
Fall, Winter, Spring. 1 to 4 credits. May reenroll in different areas for a maximum of 16 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, and thought language.

924. Seminar in Measurement
Fall, Winter, Spring. 1 to 4 credits. May reenroll 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. 2 to 5 credits. 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. 2 to 5 credits. PSY 928.
Continuation of PSY 928.

932. Practicum: Psychological Clinic III
Spring. 2 to 5 credits. PSY 930.
Continuation of PSY 930.

934. Seminar in Personality
Fall, Winter, Spring. 1 to 4 credits. May reenroll 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, assessment, dynamics, structure, the self and determinants.

936. Attitudes and Personality
Winter. 3(3-0) Thirty graduate credits.
Review and analysis of research on sentiments, beliefs and opinions, authoritarianism, peer groups, alienation, and democratic personality; functions, resistance to change and relation to value systems and ideology.

944. Seminar in Social Psychology
Fall, Winter, Spring. 1 to 4 credits. May reenroll 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.

950A. Child and Family Interventions: Dynamic Child Psychotherapy
Fall, Winter, Spring. 3(3-0) PSY 850C or approval of department.
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.

950B. Child and Family Interventions: Behavioral/Cognitive Therapies
Winter. 3(3-0) PSY 850C or approval of department.
Behavioral/cognitive approaches to interventions with children in family, peer, school, and community contexts; behavioral/cognitive processes, theory, assessment, methods, and research. Underlying behavioral change.

950C. Child and Family Interventions: Family and Community Systems Approaches
Spring. 3(3-0) PSY 850C or approval of department.
Family and community systems-based intervention in child, marital, and family problems. Conjoint family therapy, primary prevention and community program interventions.

954. Seminar in Developmental Psychology
Fall, Winter, Spring. 1 to 4 credits. May reenroll 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.

961. Personnel Training and Training Evaluation
Winter of even-numbered years. 4(4-0) PSY 860 or approval of instructor.
Theory and research in training and development of personnel at all organization levels. Evaluation of training programs.

962. Psychology of Motivation and Attitudes at Work
Spring of odd-numbered years. 4(4-0) PSY 860 or approval of instructor.
Theoretical approaches to the enhancement of work and life satisfaction. Comparison of approaches to worker motivation. Role of satisfaction in motivation models.

963. Leadership and Managerial Behavior
Spring of even-numbered years. 4(4-0) PSY 860 or approval of instructor.
The role of the leader in effecting individual, group, and organizational performance.

964. Organizational Diagnosis and Change
Winter of odd-numbered years. 4(4-0) PSY 860 or approval of instructor.
Analysis of organizational functioning and the effective introduction, spread, and adoption of change.

966. Seminar in Industrial Psychology
Fall, Winter, Spring. 2 to 4 credits. May reenroll for a maximum of 16 credits.
Approval of department.
Specialized areas in industrial and organizational psychology.

970. Seminar in Ecological Psychology
Fall, Winter, Spring. 4(4-0) May reenroll for a maximum of 12 credits. Approval of department.
Critical study of a contemporary ecological psychology issue such as the psychological aspects of over-crowding, the interpersonal and intrapersonal conflicts created by environmental degradation, and similar current topics.

973. Rorschach Method
Winter. 4(4-0) PSY 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. Summer. 1 to 6 credits. May reenroll for a maximum of 15 credits. PSY 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) PSY 427A. PSY 832.

977. Psychopathology: Psychoses and Developmental Disorders
Winter. 3(3-0) PSY 976.
Behavioral and development disorders such as psychosis, delinquency, mental deficiencies; selected functional and organic psychotic syndromes; psychoses distinguished from psychosomatics; 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) PSY 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(2-2) PSY 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. 1 to 4 credits. May reenroll for a maximum of 12 credits. PSY 981 and approval of department.
Counseling and psychotherapy with a variety of clients at the University Counseling Center.

985. Seminar in Clinical Psychology
Fall, Winter, Spring. 3(3-0) PSY 985.
Critical study of a selected area such as theories, diagnosis, projective techniques, psychotherapies, hypnosis, psychopathologies.
102. Elementary Hebrew
Winter, 4(4-1) HEB 101. Interdepartmental
with and administered by Hebrew.
Continuation of HEB 101.

103. Elementary Hebrew
Spring, 4(4-1) HEB 102. Interdepartmental
with and administered by Hebrew.
Continuation of HEB 102.

150. Exploring Religion (A)
Fall, Winter, Spring, 3(3-0)
The nature of religious language and belief;
sacred time, space, and literature; religious
myths, rituals, and symbols; varieties of reli-
gious experience; the question of religious
knowledge and truth.

151. Western Religions (A)
Fall, Winter, Spring, 3(3-0)
Historical-comparative approach to Jewish,
Christian, and Muslim beliefs, practices, and
worldviews, including views of God and other
supernatural beings, human nature and destiny,
paths for spiritual achievement, death and after-
life.

152. Eastern Religions (A)
Fall, Winter, Spring, 3(3-0)
Historical-comparative approach to Hindu,
Buddhist, Confucian, Taoist, and Shinto beliefs,
practices, and worldviews, including views of
nature of ultimate reality, human nature and
destiny, death and beyond.

201. Intermediate Hebrew
Fall of odd-numbered years, 4(4-1)
HEB 103. Interdepartmental with and adminis-
trated by Hebrew.
Systematic review of grammar, oral practice
and reading of modern pointed and unpointed,
texts, root-finding skills and dictionary exer-
cises.

202. Intermediate Hebrew
Winter of even-numbered years, 4(4-1)
HEB 201. Interdepartmental with and adminis-
trated by Hebrew.
Continuation of HEB 201.

203. Intermediate Hebrew
Spring of even-numbered years, 4(4-1)
HEB 202. Interdepartmental with and adminis-
trated by Hebrew.
Continuation of HEB 202. Primarily unpointed
Hebrew texts and newspapers.

210. Denominations in America
Winter, 3(3-0)
Religious denominations in America, their ori-
gins, history, beliefs, sociology, influence,
strengths, tensions; distinctions among sect,
cult, and denomination; analysis of trends point-
ing to alternate futures; ecumenical movement.

220. Old Testament (A)
Fall, 3(3-0)
A study of the history, literature and religion of
Israel based on a critical examination of the Bib-
lical texts.

221. Old Testament (A)
Winter, 3(3-0)
A continuation of REL 220.

222. New Testament (A)
Fall, Winter, Spring, 3(3-0)
A study and analysis of the texts of the New Tes-
tament in light of their historical setting.

Religious Studies — Description
of Courses

295. Individual Readings
Fall, Winter, Spring, 1 to 5 credits.
May enroll for a maximum of 10 credits if a
different topic is taken. Approval of depart-
ment.
Supervised independent study of a particular
topic in religious studies not covered in the regu-
lar courses.

299. Special Topics
Fall, Winter, Spring, 3(3-0) May
enroll for a maximum of 6 credits.
Selected topics not available on regular basis as
part of standard curriculum. Offered as faculty
interest and availability permit.

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
Winter, 3(3-0)
Analysis of the major Pauline letters together
with the Book of Acts in the light of their signi-
cance for the early Church and for contempo-
rary Christianity.

305. Christian Ethics and Society
Spring, 4(4-0)
Biblical and theological bases for social action.
Areas of contemporary discussion including the
relation of love to justice, individual ethic to
social ethic, situation to principle, and the social
order.

310. Christianity
Winter, 3(3-0)
Origins and historical development of Christian-
ity, major doctrines and liturgical practices, eth-
ical stance, institutional forms (Eastern
Orthodox, Roman Catholic, Protestant), social
and cultural contributions, contemporary status
and role.

318. Development of Christian Thought
Winter, 3(3-0) Not open to students with
credit in REL 320 or REL 321 or REL 322.
Development of major doctrines from early
church to present. Trinity, Christology, Eschat-
ology, grace, sacraments, predestination, redemp-
tion. Key controversies, issues, theological
influences. Catholic and Protestant. Augustine,
Aquinas, Luther, modernity.

331. Classical Judaism
Fall, 3(3-0)
Major developments in Jewish life and thought
from Ezra to Maimonides, including the rise of
the synagogue, Sabbah, rabbinate, Talmud,
and Midrash. Representative Jewish thought
during the Golden Age of Jewish-Arabic culture.

332. Modern Judaism
Winter, 3(3-0)
Major developments in Jewish life and thought in
modern times, emphasizing the Hasidic, Reform,
Zionist, Conservative, and Reconstructionist
movements and reactions against them, and
contemporary issues in Jewish thought.

335. Islam
Winter, 3(3-0)
Life of Muhammad and rise of the Muslim com-
community, spread of Islam, the Koran, basic beliefs
and practices, schools of thought, mysticism,
unity and diversity within Islam.