9. Research Seminar in Political Methodology
Spring. 3(0-0) A student may earn a maximum of 9 credits in all enrollments for this course. PLS 802.

10. Research Seminar in Evaluation Research
Spring. 3(0-0) A student may earn a maximum of 9 credits in all enrollments for this course. PLS 802.

11. Intensive Study of One Subfield of Political Philosophy
Fall, Spring. 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. PLS 802.

12. Policy Analysis Practicum
Fall, Spring. 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. PLS 811. R: Approval of department. Field experience in public policy analysis. Work with faculty and public personnel to define and analyze a current public problem.

13. Research Seminar in Comparative Politics
Fall of odd-numbered years. 3(0-0) A student may earn a maximum of 9 credits in all enrollments for this course. PLS 860.

14. Research Seminar in American Politics
Spring. 3(0-0) A student may earn a maximum of 9 credits in all enrollments for this course. PLS 860.

15. Research Seminar in Comparative Politics
Fall of odd-numbered years. 3(0-0) A student may earn a maximum of 9 credits in all enrollments for this course. PLS 860.

16. Research Seminar in International Politics
Spring. 3(0-0) A student may earn a maximum of 9 credits in all enrollments for this course. PLS 860.

17. Research Seminar in Political Thought
Spring of odd-numbered years. 3(0-0) A student may earn a maximum of 9 credits in all enrollments for this course. PLS 870.

18. Research Seminar in Formal Theory
Fall of odd-numbered years. 3(0-0) A student may earn a maximum of 9 credits in all enrollments for this course. PLS 880.

19. Readings in Political Science
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Approval of department.

20. Doctoral Dissertation Research
Fall, Spring, Summer. 1 to 12 credits. A student may earn a maximum of 50 credits in all enrollments for this course. R: Open only to doctoral students in Political Science or Political Science Urban Studies.

21. Department of Romance and Classical Languages
22. College of Arts and Letters

23. Elementary Portuguese I
Fall. 4(4-0)
R: No previous experience in Portuguese or approval of department.

24. Second-Year Portuguese I
Fall. 4(4-0)
R: PRT 102 or approval of department. Intermediate level review and development of aural comprehension, speaking, reading, and writing skills. Topics in the cultures of the Portuguese-speaking world.

25. Second-Year Portuguese II
Spring. 4(4-0)
R: PRT 201. Further review and development of aural comprehension, speaking, reading, and writing skills. Topics in the cultures of the Portuguese-speaking world.

26. Independent Study
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Approval of department.

27. Advanced Portuguese
Fall. 3(3-0)
R: PRT 202. Conversation, reading, and writing to develop proficiency.

28. Topics in Luso-Brazilian Language and Culture
Spring. 3(3-0)

29. Independent Study
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Approval of department. Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.

PSYCHIATRY

Department of Psychiatry
College of Human Medicine
College of Osteopathic Medicine

591. Special Problems in Psychiatry
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Approval of department. Work under the direction of a faculty member on an experimental, theoretical, or applied problem.

698. Psychiatry and Behavioral Science Clerkship
Fall, Spring, Summer. 2 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course. P: College of Osteopathic Medicine students must have passed all preclinical courses. R: Open only to graduate professional students in Colleges of Human and Osteopathic Medicine. Supervised practice with in-patient, out-patient, emergency, and community mental health services.

699. Adult Psychiatry Clerkship
Fall, Spring, Summer. 4 to 16 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: PSC 608. R: Open only to graduate professional students in Colleges of Human and Osteopathic Medicine. Subspecialty experiences in psychiatry in clinical settings with adults.

700. Child Psychiatry Clerkship
Fall, Spring, Summer. 4 to 16 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: PSC 608. R: Open only to graduate professional students in Colleges of Human and Osteopathic Medicine. Subspecialty experiences in psychiatry in clinical settings with child patients and their families.

PSYCHOLOGY

Department of Psychology
College of Social Science

101. Introductory Psychology
Fall, Spring, Summer. 3(3-0)
R: Open only to graduate professional students in Colleges of Human and Osteopathic Medicine. Supervised practice with in-patient, out-patient, emergency, and community mental health services.

200. Cognitive Psychology
Fall, Spring, Summer. 3(3-0)
R: Open only to graduate professional students in Colleges of Human and Osteopathic Medicine. Subspecialty experiences in psychiatry in clinical settings with child patients and their families.

201. Social Psychology
Fall, Spring, Summer. 3(3-0)
R: Open only to graduate professional students in Colleges of Human and Osteopathic Medicine. Subspecialty experiences in psychiatry in clinical settings with child patients and their families.

202. Personality Psychology
Fall, Spring, Summer. 3(3-0)
R: Open only to graduate professional students in Colleges of Human and Osteopathic Medicine. Subspecialty experiences in psychiatry in clinical settings with child patients and their families.

203. Developmental Psychology
Fall, Spring, Summer. 3(3-0)
R: Open only to graduate professional students in Colleges of Human and Osteopathic Medicine. Subspecialty experiences in psychiatry in clinical settings with child patients and their families.

204. Child Psychology
Fall, Spring, Summer. 3(3-0)
R: Open only to graduate professional students in Colleges of Human and Osteopathic Medicine. Subspecialty experiences in psychiatry in clinical settings with child patients and their families.

205. Adolescent Psychology
Fall, Spring, Summer. 3(3-0)
R: Open only to graduate professional students in Colleges of Human and Osteopathic Medicine. Subspecialty experiences in psychiatry in clinical settings with child patients and their families.

206. Human Development
Fall, Spring, Summer. 3(3-0)
R: Open only to graduate professional students in Colleges of Human and Osteopathic Medicine. Subspecialty experiences in psychiatry in clinical settings with child patients and their families.

207. Multicultural Psychology
Fall, Spring, Summer. 3(3-0)
R: Open only to graduate professional students in Colleges of Human and Osteopathic Medicine. Subspecialty experiences in psychiatry in clinical settings with child patients and their families.

208. Psychology of Women
Fall, Spring, Summer. 3(3-0)
R: Open only to graduate professional students in Colleges of Human and Osteopathic Medicine. Subspecialty experiences in psychiatry in clinical settings with child patients and their families.
225. Social Psychology Fall, Spring, Summer. 3(3-0)
P: PSY 101. R: 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.

226. Personality 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.

229. 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.

244. Developmental Psychology: Infancy 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 246. R: To receive credit PSY 246 and PSY 247 must be completed satisfactorily except by prior arrangement with instructor. 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 video-taped 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. R: 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 Fall, 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.

280. Abnormal Psychology 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.

295. Data Analysis in Psychological Research Fall, Spring, Summer. 3(3-0)
P: PSY 101, MTH 110 or MTH 116 or MTH 120 or SIT 200 or SIT 301. R: Open only to students in College of Social Science and students in Social Science teaching minor. Not open to students with credit in SIT 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.

302. Laboratory in Cognitive Psychology Fall, Spring. 3(2-2)
P: PSY 200, PSY 205. R: Approval of instructor. Not open to students with credit in SIT 327.
Rationale, methods, data analysis, and interpretation of experimental research in cognitive psychology. Students conduct and participate in classroom experiments, and write laboratory reports and a research proposal.

303. Research Methods in Community Psychology Spring. 3(3-2)
P: PSY 270, PSY 295.
Contemporary research methods in community psychology, from defining the problem to disseminating the results.

304. Psychological Measurement Fall, Summer. 3(3-0)
P: PSY 205.
Assessment of the reliability and validity of psychological measures of ability, personality, and interests for applications in education, industry, and counseling.

307. Thinking Critically About Psychological Research Spring. 3(3-0)
P: PSY 295.
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.

308. Behavioral Neuroscience Fall. 3(3-0)
P: PSY 206, PSY 295, PSL 250.
Neural and physiological mechanisms controlling and regulating animal and human behavior.

312. Principles and Applications of Learning Fall. 3(3-0)
P: PSY 205.
General principles of human and animal learning. Theories of learning. Motivation as the causation of action, classical and operant conditioning, and animal cognition.

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.

325. Affect and Self Esteem Fall, Spring. 3(3-0)
P: PSY 101.
Psychological study of affect as a mediator of stress, self esteem, and powerlessness. Development of psychological health, personal identity, and interpersonal competence through principles of affect.

330. Personality from a Psychoanalytic Perspective Fall, Spring. 3(3-0)
P: PSY 101. Topis examined within this Freudian framework include: psychosocial development, unconscious processes, defense mechanisms, prejudice, discrimination, guilt, inability to sleep, sexual problems, and love.

344. Developmental Psychology: Adolescence Through Youth Fall, Spring, Summer. 3(3-0)
P: PSY 244.
Theory and research in physical, cognitive, emotional, and social development from puberty to early adulthood.

346. Developmental Psychology: Adulthood and Aging Spring. 3(3-0)
P: PSY 244.
Research and theory regarding human development from young adulthood through old age.

371. Psychological Innovations and Research I Fall, Spring, Summer. 4(2-4)
P: PSY 241. R: Approval of department. To receive credit PSY 371 and PSY 372 must be completed satisfactorily except by prior arrangement with instructor. 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 II Fall, Spring, Summer. 4(2-4)
P: PSY 371. R: To receive credit PSY 371 and PSY 372 must be completed satisfactorily except by prior arrangement with instructor.
Theoretical and technical background and direct involvement in a major psychological innovation or research project.

401. Memory and Skill (W) Fall of even-numbered years. 3(3-0)
P: PSY 290, 295, 296. R: 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-numbered years. 3(3-0)
P: PSY 295; PSY 290, 299. R: Completion of Tier I writing requirement.
Biological and psychological approaches to the study of the extraction, representation, and interpretation of sensory information. Review of major methodologies. Emphasis on vision.

405. History of Modern Psychology (W) Spring. 3(3-0)
P: PSY 295. R: Open only to juniors and seniors in Psychology. Completion of Tier I writing requirement. Themes, periods, and contributions of the leading psychologists. Psychological systems such as behaviorism, cognition, and psychoanalysis. Evolution of psychological concepts. Social context.

409. Psychobiology of the Life Span (W) Spring of odd-numbered years. 3(3-0)
P: PSY 308 or PSY 402. R: Completion of Tier I writing requirement.
Current research on the development and aging of the brain. Aging and behavior.
Descriptions — Psychology

Courses

411. Psychology of Motivation (W)
Spring of even-numbered years. 3(3-0)
P: PSY 306 or PSY 402. R: Completion of Tier I writing requirement.
Current research on biological mechanisms that control motivation.

414. Psychology of Language (W)
Spring of odd-numbered years. 3(3-0)
P: PSY 200, PSY 285. R: Completion of Tier I writing requirement.
Experimental psychology of language. Speech perception, word and sentence processing, gross comprehension and memory, Language production, language acquisition, and the brain bases of language development and use.

424. Child and Family Psychopathology (W)
Fall, Spring, Summer. 3(3-0)
P: PSY 244, PSY 285. R: Open only to juniors and seniors in Psychology and in Psychology teaching minors. Completion of Tier I writing requirement.
Description, etiology, and developmental patterns of behavior problems of children, adolescents, and their families. Child and family interventions.

446. Attitudes and Social Cognition (W)
Fall of even-numbered years. 3(3-0)
P: PSY 235, PSY 295. R: Open only to juniors and seniors in Psychology. Completion of Tier I writing requirement.
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-numbered years. 3(3-0)
P: PSY 235, PSY 295. R: Open only to juniors and seniors in Psychology. Completion of Tier I writing requirement.
Major theories and research findings in the social psychology of group processes and interpersonal relationships.

442. Stereotypes, Prejudice, and Discrimination (W)
Fall of odd-numbered years. 3(3-0)
P: PSY 205, PSY 295. R: Open only to juniors and seniors in Psychology and in Interdisciplinary Studies in Social Science. Completion of Tier I writing requirement.
Cognitive processes in stereotyping. Contribution of affect and motivation to the linkages among stereotypes, prejudice, and discrimination.

455. Personal Research Techniques (W)
Fall. 3(3-0)
P: PSY 255, PSY 304. R: Open only to juniors and seniors in Psychology and in Interdisciplinary Studies in Social Science. Completion of Tier I writing requirement.
Quantitative psychological research techniques applied to human resource problems in organizations. Survey research, job analyses, analysis of training needs, analysis, evaluation and selection, and test validation.

463. Introduction to Cognitive Science
Spring. 3(3-0) Interdepartmental with Philosophy and Linguistics. Administered by Philosophy.
P: PHIL 462 or PSY 260 or LIN 401 or CPS 440.
Cognitive processing of information by animals, humans, and computers. Relevant issues in philosophy, linguistics, psychology, neuropsychology, and artificial intelligence.

475. Personality Theories (W)
Spring of odd-numbered years. 3(3-0)
P: PSY 256. R: Open only to juniors and seniors in Psychology. Completion of Tier I writing requirement.
Major personality theories of development, structure, and dynamics. Implications for behavioral disorders and therapy.

476. Research in Personality (W)
Fall. 3(0-0)
P: PSY 236, PSY 285. R: Completion of Tier I writing requirement.
Empirical investigations of personality dynamics. Effects of personality processes on subjective experience and social interaction.

480. Interpersonal Skill Development
Fall, Spring. 3(1-4)
P: PSY 101.
Interpersonal skill development through interactions within a small group. Empathy, mutual emotional support, appropriate self-disclosures, and constructive approaches to interpersonal confrontations.

483. Literature and Medicine
Spring. 3(3-0) Interdepartmental with English and Lyman Briggs School. Administered by English.
R: Not open to freshmen and sophomores.

488. Phenomenological Psychology
Fall of even-numbered years. 3(3-0)
P: PSY 101.
Function and varieties of love and guilt in human existence and life renewal. Effect on the individual's awareness, authenticity, integration, responsibility, maturity, and fulfillment.

499. Humanistic Psychology
Spring. 3(3-0)
P: PSY 256.
Psychology of the person as a living, ethical subject. Scientific humanism, power of thinking, knowledge components of reality, and powers of consciousness.

490. Special Problems in Psychology
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course.
R: Open only to juniors and seniors with at least 9 credits in psychology. Students are limited to a combined total of 9 credits in PSY 490 and PSY 491. Students who completed PSY 246, PSY 247 or PSY 571; PSY 372; PSY 490 and PSY 491; PSY 492 are limited to a combined total of 6 credits in PSY 490 and PSY 491. Approval of department.
Each student will 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 student may earn a maximum of 9 credits in all enrollments for this course.
R: Open only to juniors and seniors with at least 9 credits in psychology. Students are limited to a combined total of 9 credits in PSY 490 and PSY 491. Students who completed PSY 246, PSY 247 or PSY 571; PSY 372 are limited to a combined total of 6 credits in PSY 490 and PSY 491. Approval of department.
Each student will participate in a psychological project under direction of a faculty member.

499H. Senior Honors Thesis
Fall, Spring, Summer. 3(0-6) A student may earn a maximum of 6 credits in all enrollments for this course.
R: Approval of department.
Independent research with faculty supervision. Literature review, theoretical considerations, and experimental research. Preparation of the senior paper.

800. Theories of Learning and Motivation
Fall. 3(0-0)
R: Open only to graduate students in Psychology.

801. Sensation and Perception
Fall of odd-numbered years. 3(3-0)
P: PSY 401 or approval of department. R: Open only to graduate students in Psychology.
Biological and psychological approaches to the study of extrinsic representation and interpretation of sensory information. Review of major methodologies. Emphasis on vision.

805. History of Psychology
Spring. 4(4-0)
R: Open only to graduate students in Psychology.
Scientific, cultural, philosophical, and personal influences in the development of psychology. Persisting issues.

809. Developmental Psychology
Fall of odd-numbered years. 3(3-0)
P: PSY 469 or approval of department. R: Open only to graduate students in Psychology.
Basic principles of neural development over the life span.

810. Cognitive Processes
Fall of even-numbered years. 3(3-0)
P: PSY 411 or approval of department. R: Open only to graduate students in Psychology.
Concepts, theories, methods, and research findings in human information processing. Attention, perception, learning and remembering, thinking, skill and expertise, and language use.

811. Advanced Behavioral Neuroscience
Spring. 3(3-0)
P: PSY 411 or approval of department. R: Open only to graduate students in Psychology.
Biological mechanisms involved in learning and memory, motivated behaviors, biological rhythms, and psychopharmacology.

814. Psycholinguistics
Spring of even-numbered years. 3(3-0)
P: PSY 414. R: Open only to graduate students in 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. 4(3-2)
R: Open only to graduate students in Psychology.

817. Psychometric Methods
Spring. 4(3-2)
P: PSY 816. R: Open only to graduate students in Psychology.
Research analysis methods, meta-analysis, reliability theory, construct validation, confirmatory and exploratory factor analysis, causal models of experimental design, and cross-sectional studies.