

**827. Advanced Neurobiology**  
Fall. 4(4-0) Interdepartmental with Zoology, and Pharmacology and Toxicology. Administered by Zoology.  
R: Approval of department.  
Nervous system function at the cellular level: membrane biophysics and potentials, synaptic transmission.

**839. Systems Neuroscience**  
Spring of odd-numbered years. 4(4-0) Interdepartmental with Anatomy, and Pharmacology and Toxicology. Administered by Anatomy.  
R: Open only to graduate students in the Colleges of Human Medicine, Osteopathic Medicine, Agriculture and Natural Resources, Natural Science, and Veterinary Medicine.  
Anatomy, pharmacology, and physiology of multicellular neural systems. Sensory, motor, autonomic, and chemo-regulatory systems in vertebrate brains.

**841. Advanced Endocrine Physiology and Pharmacology**  
Fall. 4(4-0) Interdepartmental with Animal Science, Pharmacology and Toxicology, and Psychology.  
P: BCH 461, PSL 432. R: Open only to graduate students in the Colleges of Human Medicine, Osteopathic Medicine, Veterinary Medicine, Natural Science, and Agriculture and Natural Resources.  
Basic and advanced concepts of endocrine and reproductive physiology and pharmacology.

**850. Research Topics in Physiology**  
Spring. 1(0-2)  
P: PSL 432, PSL 910. R: Open only to graduate students in Physiology.  
Readings, presentations and discussions of selected research literature in physiology.

**885. Vertebrate Neural Systems**  
Spring of odd-numbered years. 3(2-2) Interdepartmental with Anatomy. Administered by Anatomy.  
Comparative analysis of major component systems of vertebrate brains. Evolution, ontogeny, structure, and function in fish, amphibians, reptiles, birds and mammals.

**890. Readings in Biophysics**  
Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course.  
R: Approval of department.  
Individual study of membrane phenomena or other topics in biophysics.

**899. Master's Thesis Research**  
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course.

**901. Investigating the Lung**  
Fall of even-numbered years. 3(3-0) Interdepartmental with Large Animal Clinical Sciences and Pathology. Administered by Large Animal Clinical Sciences.  
R: Open only to M.S. and Ph.D. students in Large Animal Clinical Sciences, Small Animal Clinical Sciences, Physiology, and Pathology. Approval of department.  
Classic and current concepts of respiratory structure and function in health and disease. Mechanisms of lung injury.

**910. Cellular and Molecular Physiology**  
Fall. 4(4-0)  
P: BCH 802; PSL 432 or PSL 501 or PSL 511; one calculus course. R: Open only to graduate students in Physiology or Pharmacology and Toxicology.  
Readings in cell physiology and physiological aspects of molecular biology.

**919. Cardiovascular System**  
Fall. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.  
R: Approval of department.  
Classical and current literature on the physiology of the heart, circulation or microcirculation.

**950. Topics in Physiology**  
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course.  
R: Approval of department.  
Classical and modern concepts in selected areas of physiology.

**980. Problems in Physiology**  
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course.  
R: Approval of department.  
Individual research problems in physiology.

**999. Doctoral Dissertation Research**  
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 99 credits in all enrollments for this course.

## POLITICAL SCIENCE PLS

### Department of Political Science College of Social Science

**100. Introduction to American National Government**  
Fall, Spring, Summer. 3(3-0)  
The policymaking process in national government, with emphasis on political participation, the presidency, Congress, Supreme Court, bureaucracy, and civil rights and civil liberties.

**140. Introduction to Comparative Politics**  
Fall, Spring, Summer. 3(3-0)  
Comparative analysis of political systems in first, second, and third-world countries. Alternative methods for comparative cross-cultural analyses of political systems.

**160. Introduction to International Relations**  
Fall, Spring, Summer. 3(3-0)  
R: Not open to students with credit in MC 220 or MC 221.  
Dynamics of conflict and cooperation. Processes of foreign policy decision making. Major international economic issues. Basic future trends. Primary analytical approaches for studying world politics.

**170. Introduction to Political Philosophy**  
Fall, Spring, Summer. 3(3-0)  
Basic questions of political philosophy as considered from ancient to modern times. Primary focus on the origins, defense, and radical critiques of modern liberal democracy.

**200. Introduction to Political Science**  
Fall, Spring, Summer. 4(4-0)  
The science of politics. Theory construction, model building, empirical testing, and inductive inference. Examples from American, international and comparative politics.

**201. Introduction to Methods of Political Analysis**  
Fall, Spring, Summer. 4(4-0)  
P: PLS 200.  
Philosophy of social science. Principles of research design, measurement, hypothesis testing, measures of association, cross tabulations, and regression analysis.

**301. American State Government**  
Spring. 3(3-0)  
P: PLS 100  
Structure and processes of American state government. Interstate differences. Constitutions, elections, political parties, interest groups, and intergovernmental relations. Policy focus on education, welfare, and criminal justice.

**302. Urban Politics**  
Fall. 3(3-0)  
P: PLS 100.  
Structure and processes of American urban politics. Relationship of cities to U.S. federal system. Interstate variations. Policy focus on public education, crime, social welfare, and economic development.

**304. Minority Politics**  
Fall. 3(3-0)  
P: PLS 100.  
Minority groups and the political process in the United States civil rights movements, political organizations, legal decisions, political participation, and legislative politics.

**310. Public Bureaucracy in the Policy Process**  
Fall, Spring. 3(3-0)  
P: PLS 100.  
Role of public bureaucracy in the U.S. Theories of administrative behavior and the impact of hierarchy on policymaking. Relations with the president, Congress, interest groups, and the public. Administrative functions, responsiveness, and ethics.

**313. Public Policy Analysis**  
Fall, Spring, Summer. 3(3-0)  
P: PLS 100, EC 201 or EC 202 or approval of department.  
Political and economic concepts for evaluating the consequences of government decision making. Issues of problem identification, policy adoption, and implementation affecting program evaluation.

**320. The American Judicial Process**  
Fall, Spring. 3(3-0)  
P: PLS 100. R: Not open to freshmen and sophomores.  
Analysis of the structure and functions of judicial systems. Organization, administration, and politics of judicial bureaucracies. Roles of judges, juries, counsel, litigants, and interest groups in the adjudication process.

**321. American Constitutional Law**  
Fall, Spring. 3(3-0)  
P: PLS 100. R: Not open to freshmen and sophomores.  
U.S. Supreme Court policy making and its effect on issues of current importance, including First Amendment freedoms, due process, race relations, sex discrimination, and privacy.

**322. Comparative Legal Systems**  
Spring, Summer. 3(3-0)  
P: PLS 100 or PLS 140.  
Cross-national study of common law and civil law systems. Judicial review and selection of judges. Models of judicial decision-making. High court-low court relations. Role of courts in society.

**324. American Legislative Process**  
Spring. 3(3-0)  
P: PLS 100.  
The design of Congress. Rules, structures, and procedures affecting policy making. Impact of regular elections on legislative behavior.

**Descriptions — Political Science  
of  
Courses**

**325. American Executive Process**

Fall. 3(3-0)

P: PLS 100.

Role of the president in the U.S. political system. Constitutional questions, presidential selection, presidential power, interbranch relations, and presidential policy making.

**331. Political Parties and Interest Groups**

Spring of even-numbered years. 3(3-0)

P: PLS 100.

Origins, structure, and activities of political parties. Role of parties and interest groups in elections and in government. Internal politics of parties and of private associations.

**333. Political Socialization and Public Opinion**

Fall, Spring. 3(3-0)

P: PLS 100.

Role of public opinion in political systems and its impact on the political process. Group differences, political socialization, development and change of political attitudes and behavior patterns. Methods of studying public opinion.

**334. Campaigns and Elections**

Fall, Spring. 3(3-0)

P: PLS 100.

The nominating process. Recruitment of candidates and the formation of electoral coalitions. Analysis of election results. Trends in electoral support for officeholders and parties.

**342. Comparative Political Economy**

Spring. 3(3-0)

P: PLS 140, EC 201 or EC 202.

Democratic politics and the linkages among political, social, and economic conceptions of equality in developed and developing countries.

**344. Politics in the Third World**

Fall, Spring. 3(3-0)

P: PLS 140.

Politics of modernization, democratic and authoritarian regimes, and class and ethnicity in developing countries.

**351. African Politics**

Fall. 3(3-0)

P: PLS 140.

Political institutions and governmental processes in Sub-Saharan Africa.

**354. Politics of Asia**

Fall of even-numbered years, Spring of even-numbered years. 3(3-0)

P: PLS 140.

Political institutions, political actors, and policy-making processes in selected Asian countries.

**356. West European Politics**

Fall, Summer. 3(3-0)

P: PLS 140.

Governmental institutions and processes, political socialization, and political culture in Western Europe, including Great Britain.

**357. Politics of English Speaking Democracies**

Summer. 3(3-0) Given only in London, England.

P: PLS 140 or approval of department.

Political institutions, political actors, and political culture in Britain, Australia, or Canada.

**358. Politics of the U.S.S.R. and Its Successor States**

Spring. 3(3-0)

P: PLS 140.

Political history, communist ideology, state institutions and political processes in the Soviet Union and its successor states.

**361. International Political Economy**

Fall. 3(3-0)

P: PLS 160 or MC 220; EC 201 or EC 202. R: Not open to students with credit in MC 221.

Introduction to the politics of international economics. Theories of international political economy.

**362. Foreign Policy**

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

P: PLS 160 or MC 220 or MC 221.

Theories of foreign policy making. Factors shaping foreign policy in various countries. Current and recurrent problems in foreign policy making.

**363. International Political Conflict**

Fall of even-numbered years. 3(3-0)

P: PLS 160. R: Not open to students with credit in MC 220.

Conflict, war, and conflict resolution in the international system.

**364. International Organization and Cooperation**

Spring. 3(3-0)

P: PLS 160 or MC 220 or MC 221. R: Not open to students with credit in MC 322.

History and evolution. League of Nations, United Nations. Growth and role of regional, specialized, and non-governmental organizations. Impact of new states. Politics, functions, and problems.

**371. Classical Political Philosophy**

Fall, Spring. 3(3-0)

P: PLS 170. R: Not open to students with credit in MC 270.

Examination of major themes in classical political philosophy as represented by such Greek and Roman philosophers as Plato, Aristotle, or Cicero.

**372. Modern Political Philosophy**

Fall, Spring. 3(3-0)

P: PLS 170.

Major themes of modern political philosophy as represented by such thinkers as Machiavelli, Hobbes, Rousseau, Marx, and Nietzsche.

**377. American Political Thought**

Fall of even-numbered years. 3(3-0)

P: PLS 170. R: Not open to students with credit in MC 271.

Major themes of American political thought. Topics may include the founding of the U.S., naturalism, race relations, or progressivism.

**381. Collective Decision Making in Politics**

Fall. 3(3-0)

P: PLS 200.

Formal models of collective decision making in politics. Topics may include social choice theory, decision making under uncertainty, public choice theory and rent-seeking, spatial models, principal-agent models, or dynamic models.

**382. Game Theory and Politics**

Spring. 3(3-0)

P: PLS 200.

Game theory models of politics. Topics may include non-cooperative two-person games, extensive form games, asymmetric information games, equilibrium refinements, and bargaining. Empirical and experimental tests of formal models.

**420. American Politics and Public Administration (W)**

Fall, Spring. 4(4-0)

P: PLS 301 or PLS 302 or PLS 304 or PLS 310 or PLS 313 or PLS 320 or PLS 321 or PLS 324 or PLS 325 or PLS 331 or PLS 333 or PLS 334. R: Open only to juniors and seniors in Department of Political Science. Open to juniors and seniors in Interdisciplinary Studies in Social Science with political science as the disciplinary cognate with approval of department. Completion of Tier I writing requirement.

Capstone course in one subfield of either American politics or public administration. Potential topics include legislative behavior, policy analysis, bureaucratic politics, electoral politics, and the determinants of voting behavior.

**440. Comparative Politics (W)**

Spring. 4(4-0)

P: PLS 342 or PLS 344 or PLS 351 or PLS 354 or PLS 356 or PLS 357 or PLS 358. Completion of Tier I writing requirement. R: Open only to juniors and seniors in Department of Political Science. Open to juniors and seniors in Interdisciplinary Studies in Social Science with political science as the disciplinary cognate with approval of department.

Capstone course in one subfield of comparative politics. Potential topics include political development, urbanization, role of public opinion, human rights, and women in development.

**460. International Relations (W)**

Fall, Spring. 4(4-0)

P: PLS 361 or PLS 362 or PLS 363 or PLS 364. Completion of Tier I writing requirement. R: Open only to juniors and seniors in Department of Political Science. Open to juniors and seniors in Interdisciplinary Studies in Social Science with political science as the disciplinary cognate with approval of department.

Capstone course in one subfield of international relations. Potential topics include international conflict, foreign policy, dispute resolutions, and international political economy.

**461. Refugees, Displaced Persons, Exiles (W)**

Spring. 4(4-0) A student may earn a maximum of 0 credits in all enrollments for this course.

P: PLS 342 or PLS 344 or PLS 351 or PLS 354 or PLS 356 or PLS 358 or PLS 361 or PLS 362 or PLS 363 or PLS 364. R: Not open to freshmen and sophomores. Completion of Tier I writing requirement.

Political refugees caused by nationalism, social change, persecution, war, and tyranny. Definition, analysis, history, causes, and consequences. Political, legal, sociological, psychological, economic, and historical problems. International aid.

**470. Political Thought (W)**

Fall of odd-numbered years, Spring of even-numbered years. 4(4-0)

P: PLS 371 or PLS 372 or PLS 377. Completion of Tier I writing requirement. R: Open only to juniors and seniors in Department of Political Science. Open to juniors and seniors in Interdisciplinary Studies in Social Science with political science as the disciplinary cognate with approval of department.

Capstone course in one area of political thought. Potential topics include liberty, justice, equality, Aristotle, Plato, Locke, Hobbes, and Mill.

**480. Formal Theories of Politics (W)**

Spring. 4(4-0)

P: PLS 381 or PLS 382. Completion of Tier I writing requirement. R: Open only to juniors and seniors in Department of Political Science. Open to juniors and seniors in Interdisciplinary Studies in Social Science with political science as the disciplinary cognate with approval of department.

Capstone course in one subfield of formal theory. Potential topics include game theory, decision theory, and dynamic modeling. Approaches may be either theoretical or applied.

- 490H. Honors Internship**  
Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course.  
R: Approval of department.  
Supervised participation in research or teaching.
- 491H. Senior Honors Thesis**  
Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course.  
R: Open only to seniors in the Political Science Honors Program. Approval of department.  
Original research and writing under direction of a faculty member.
- 494. Field Experience in Political Science**  
Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course.  
R: Approval of department.  
Supervised field work in several areas of study. It may involve internships with non-profit organizations or public agencies, or participation in survey research, political campaigns, or petition drives.
- 495. Independent Study**  
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course.  
R: Approval of department.  
Individual research and reading supervised by a faculty member.
- 800. Proseminar: Political Theory and Research Methods**  
Fall. 3(3-0)  
Issues in the accumulation of knowledge about political phenomena. Approaches to the verification of hypotheses. Alternative theoretical conceptions in study of politics.
- 801. Quantitative Techniques in Public Policy and Political Science I**  
Fall. 3(3-0)  
R: Open only to graduate students in Political Science, Political Science-Urban Studies, or Public Administration or approval of department.  
Foundations of research methodology. Applications of data in public policy and political science. Individual research projects.
- 802. Quantitative Techniques in Public Policy and Political Science II**  
Spring. 3(3-0)  
P: PLS 801. R: Open only to graduate students in Political Science, Political Science-Urban Studies, or Public Administration or approval of department.  
Linear and nonlinear models applied to public policy and political science data. Individualized research projects.
- 810. Proseminar in Public Administration**  
Fall. 3(3-0)  
Expertise and bureaucratic power. Relations with political institutions. Role of public employees, the politics of administrative processes, and administrative ethics.
- 811. Proseminar in Policy Analysis**  
Spring. 3(3-0)  
P: PLS 810.  
Economic and political techniques for analyzing public policies. Utility and limitations of these techniques and their use and abuse in public policy analysis.
- 812. Theories of Administrative Organization**  
Fall. 3(3-0)  
Decisionmaking, hierarchy, control, participation, and the political context of public organization.
- 813. Politics of Public Finance**  
Spring. 3(3-0)  
P: PLS 811. R: Open only to graduate students in Public Administration or Political Science, or approval of department.  
Survey of the literature on the politics of public finance. Resource management in the public sector. Taxation and other revenue sources. Regulation, income redistribution, and fiscal federalism.
- 815. Public Personnel Administration**  
Fall of odd-numbered years. 3(3-0)  
Historical development and current practices of personnel management in government. Employee recruitment and selection, affirmative action, labor relations, and employee development.
- 816. Administrative Law**  
Fall of even-numbered years. 3(3-0)  
Administrative law in public agencies. Rulemaking and adjudication. The Administrative Procedures Act of 1946. Political control by the executive and legislative branches. Judicial review of agency actions.
- 817. Proseminar on the Non-Profit Sector**  
Spring. 3(3-0)  
Political, economic, historical, and social perspectives. Establishment and operation of non-profit organizations.
- 818. Politics of Public Budgeting**  
Spring. 3(3-0)  
P: PLS 811. R: Open only to graduate students in Public Administration or Political Science or approval of department.  
Public budgeting and public expenditure. Historical, institutional, and policy perspectives. Theory, practice, and empirical analysis.
- 820. Proseminar in American Politics**  
Fall. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course.  
The major subfields of American politics. Political behavior within institutions and mass political behavior.
- 821. State Government and Politics**  
Spring of odd-numbered years. 3(3-0)  
Research literature on state government. Interstate differences. Parties, elections, governors, state legislatures, bureaucracy, interest groups, and policy outcomes.
- 822. Urban Government and Politics**  
Spring of even-numbered years. 3(3-0)  
Research literature on urban government. Structure, process, and policy issues. Intergovernmental relations and fiscal interdependencies.
- 826. International Development and Sustainability**  
Spring of odd-numbered years. 3(3-0) Interdepartmental with Resource Development and Anthropology. Administered by Resource Development.  
Environmental, economic, political, legal, management, and cultural components of sustainable development.
- 850. Proseminar in Comparative Politics**  
Spring. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course.  
Research literature in a subfield of comparative politics. Methods, approaches, and purposes.
- 851. Development Administration**  
Fall of even-numbered years. 3(3-0)  
Design and organization of policies, programs, and projects for socioeconomic development in poor countries. Effects of politics and culture on organizational performance. Public management process from planning to evaluation.
- 852. Comparative Public Administration**  
Fall of odd-numbered years. 3(3-0)  
Administrative systems in industrialized countries. Historical origins, personnel recruitment, bureaucracy-parliament interactions, planning and market regulation, public spending, and public outcomes.
- 853. Political Economy of Development Policy**  
Spring of odd-numbered years. 3(3-0)  
Introduction to the political economy of Third World development. Decision making and economic policy.
- 855. Agrarian Politics in the Third World**  
Fall of even-numbered years. 3(3-0)  
Rural development in developing countries. The sociology and political economy of rural societies in the Third World. Policies for promoting agricultural development.
- 860. Proseminar in International Relations**  
Fall of even-numbered years. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course.  
Theoretical perspectives and analytical approaches to a subfield of international relations.
- 861. International Political Economy**  
Fall of odd-numbered years. 3(3-0)  
P: EC 340 or approval of department.  
Politics of the international economy. Trade issues. International finance. North-South interactions.
- 870. Proseminar in Political Thought**  
Fall of even-numbered years. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course.  
Study of a major political thinker.
- 880. Proseminar in Formal Theory**  
Spring. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course.  
R: Approval of department.  
Formal models in understanding politics. Topics may include game theory, spatial modeling, social choice theory, public choice theory, and dynamic modeling. Theoretical issues and research applications.
- 881. Decision Theory for Public Managers**  
Fall. 3(3-0)  
R: Open only to graduate students in Public Administration or Political Science, or approval of department.  
Techniques for improving individual decision making in complex and uncertain public sector environments. Theoretical issues and practical applications.
- 883. Programming for Public Policy Analysis**  
Spring. 3(3-0)  
R: Open only to graduate students in Public Administration or Political Science, or approval of department.  
Management science techniques for solving complex public policy problems. Applications for public managers and public policy analysts.
- 894. Field Experience Practicum**  
Fall, Spring. 3(3-0)  
R: Approval of department  
Internships in government, private, and government-related agencies or other approved organizations.
- 895. Degree Project Seminar**  
Spring. 3(3-0)  
R: Open only to graduate students in Public Administration.  
Research project integrating theory, field experiences, and independent research in public policy and public administration.

**Descriptions — Political Science  
of  
Courses**

- 900. Research Seminar in Political Methodology**  
Spring. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.  
P: PLS 802.  
Advanced topics in political methodology. Individual research projects.
- 902. Research Seminar in Evaluation Research**  
Spring. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.  
P: PLS 802.  
Methods and techniques for evaluating the policies and programs of public and non-profit organizations. Individual research projects.
- 903. Policy Analysis Practicum**  
Fall, Spring. 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course.  
P: 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.
- 910. Research Seminar in Public Policy and Public Administration**  
Spring. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.  
P: PLS 810 or PLS 811.  
Specialized topics in public administration or public policy.
- 920. Research Seminar in American Politics**  
Spring. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.  
P: PLS 820.  
Intensive study of one subfield of American politics. Critical evaluation of the literature.
- 950. Research Seminar in Comparative Politics**  
Fall of odd-numbered years. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.  
P: PLS 850.  
Intensive study of one subfield of comparative politics. Critical evaluation of the literature.
- 960. Research Seminar in International Politics**  
Spring. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.  
P: PLS 860.  
Intensive study of one subfield of international politics. Critical evaluation of the literature.
- 970. Research Seminar in Political Thought**  
Spring of odd-numbered years. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.  
P: PLS 870.  
Intensive study of one subfield of political philosophy.
- 980. Research Seminar in Formal Theory**  
Fall of odd-numbered years. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.  
P: PLS 880.  
Intensive study of one formal modeling technique used in political science research.
- 993. 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.  
Supervised reading in a subfield of political science, public administration, or public policy.

- 999. 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.

**PORTUGUESE**

**Department of Romance and  
Classical Languages  
College of Arts and Letters**

- 101. Elementary Portuguese I**  
Fall. 4(4-1)  
R: No previous experience in Portuguese or approval of department.  
Practice in using and understanding Portuguese to develop listening, speaking, reading, and writing skills. Pronunciation, grammar, vocabulary, and cultural topics.
- 102. Elementary Portuguese II**  
Spring. 4(4-1)  
P: PRT 101 or approval of department.  
Further practice in using and understanding Portuguese to develop listening, speaking, reading, and writing skills. Pronunciation, grammar, vocabulary, and cultural topics.
- 201. Second-Year Portuguese I**  
Fall. 4(4-0)  
P: 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.
- 202. Second-Year Portuguese II**  
Spring. 4(4-0)  
P: PRT 201.  
Further review and development of aural comprehension, speaking, reading, and writing skills. Topics in the cultures of the Portuguese-speaking world.
- 290. 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.
- 320. Advanced Portuguese**  
Fall. 3(3-0)  
P: PRT 202.  
Conversation, reading, and writing to develop proficiency.
- 340. Topics in Luso-Brazilian Language and Culture.**  
Spring. 3(3-0)  
P: PRT 202.  
Cultural issues related to Portuguese-speaking countries.
- 490. 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**

**PSC**

**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.
- 608. 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.
- 609. 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.
- 610. 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**

**PSY**

**Department of Psychology  
College of Social Science**

- 101. Introductory Psychology**  
Fall, Spring, Summer. 4(4-0)  
Mind and behavior from biological, individual, and social perspectives. Scientific and professional aspects of psychology.
- 200. Cognitive Psychology**  
Fall, Spring, Summer. 3(3-0)  
P: PSY 101.  
Concepts, theories, methods, and research findings in human information processing. Attention, perception, memory, problem solving, decision making, and language comprehension and production.
- 204. Lesbian, Bisexual, and Gay Studies: Psychological and Cultural Issues**  
Spring. 3(3-0) Interdepartmental with Arts and Letters. Administered by Arts and Letters.  
Nature, origins, and development of sexual orientation and sexual identity in the context of personality, culture, and society. Multicultural and feminist perspectives on the relationship between sexual orientation and gender, race, class, ethnicity, and religion.
- 209. Brain and Behavior**  
Fall, Spring. 3(3-0)  
P: PSY 101.  
Relation of structure and function of the nervous system to the biological bases of behavior.