

Physiology–PSL

804 Molecular and Developmental Neurobiology
Fall. 3(3-0) Interdepartmental with Neuroscience; Pharmacology and Toxicology. Administered by Department of Neuroscience. RB: Bachelor's degree in a Biological Science or Psychology. R: Open only to graduate students in the Neuroscience major.

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

825 Cell Structure and Function
Spring. 3(3-0) Interdepartmental with Biochemistry and Molecular Biology; Microbiology and Molecular Genetics. Administered by Department of Biochemistry and Molecular Biology. P:NM: BMB 401 or BMB 461. SA: BCH 825

Molecular basis of structure and function. Cell properties: reproduction, dynamic organization, integration, programmed and integrative information transfer. Original investigations in all five kingdoms.

827 Physiology and Pharmacology of Excitable Cells
Fall. 4(4-0) Interdepartmental with Pharmacology and Toxicology; Zoology; Neuroscience. Administered by Department of Pharmacology and Toxicology. RB: (PSL 431 or PSL 432 or BMB 401 or BMB 461 or ZOL 402)

Function of neurons and muscle at the cellular level: membrane biophysics and potentials, synaptic transmission, sensory nervous system function.

839 Systems Neuroscience
Spring of odd years. 4(4-0) Interdepartmental with Anatomy; Pharmacology and Toxicology. Administered by Department of Anatomy. R: Open only to graduate students in the Colleges of Human Medicine, Osteopathic Medicine, Agriculture and Natural Resources, Natural Science, and Veterinary Medicine. SA: ANT 839, PHM 839

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; Psychology. P:NM: (BMB 461 and 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. SA: ANS 841, PHM 841, PSY 841
Basic and advanced concepts of endocrine and reproductive physiology and pharmacology.

850 Research Topics in Physiology
Spring. 1(0-2) P:NM: (PSL 432 and 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 years. 3(2-2) Interdepartmental with Anatomy. Administered by Department of Anatomy. SA: ANT 885

Comparative analysis of major component systems of vertebrate brains. Evolution, ontogeny, structure, and function in fish, amphibians, reptiles, birds and mammals.

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.
Master's thesis research.

901 Investigating the Lung
Fall of even years. 2(2-0) Interdepartmental with Large Animal Clinical Sciences; Pathology. Administered by Department of Large Animal Clinical Sciences. R: Open only to graduate students.

Integrative biology of the lung; structure and function; molecular, cellular, and organ responses to injury.

910 Cellular and Molecular Physiology
Fall. 4(4-0) P:NM: BMB 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.

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.
Doctoral dissertation research.

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) 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:M: (PLS 200 or MC 201)
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)
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)
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)
Minority groups and the political process in the United States. Civil rights movements, political organizations, legal decisions, political participation, and legislative politics.

305 Environmental Politics
Fall. 3(3-0)
The impact of political and legal institutions on U.S. environmental policy. Public opinion, environmental interest groups, and the environmental movement. The politics of air and water pollution, toxic wastes, public lands, risk assessment, and environmental justice.

310 Public Bureaucracy in the Policy Process
Fall, Spring. 3(3-0)
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) Not open to students with credit in MC 444.
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) R: Not open to freshmen or 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) R: Not open to freshmen or 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)
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)
The design of Congress. Rules, structures, and procedures affecting policy making. Impact of regular elections on legislative behavior.
- 325 American Executive Process**
Fall. 3(3-0) P:M: (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 years. 3(3-0)
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)
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)
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:M: (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:M: (PLS 140)
Politics of modernization, democratic and authoritarian regimes, and class and ethnicity in developing countries.
- 351 African Politics**
Fall. 3(3-0)
Political institutions and governmental processes in Sub-Saharan Africa.
- 352 Latin American Politics**
Spring. 3(3-0)
The political process in Latin America from a comparative perspective. Development, democratization and the role of democratic institutions in the political life.
- 353 Politics of Japan**
Spring. 3(3-0)
Political institutions and political processes in Japan. Principal schools of thought on Japanese politics. Parties and elections, bureaucratic power, judicial politics, and industrial policy.
- 354 Politics of Asia**
Fall of even years. Spring of even years. 3(3-0)
Political institutions, political actors, and policy-making processes in selected Asian countries.
- 355 Korean Politics**
Fall. 3(3-0)
Domestic and international politics of North and South Korea. Political issues in the two Koreas: economic development, foreign relations, and reunification.
- 356 West European Politics**
Fall, Summer. 3(3-0)
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) Summer: Given only in London, England.
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)
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:M: (PLS 160 or concurrently or MC 220 or concurrently or EC 201 or concurrently or EC 202 or concurrently) 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 years. 3(3-0) P:M: (PLS 160 or concurrently or MC 220 or concurrently or MC 221 or concurrently) P:N:M: (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 years. 3(3-0) P:M: (PLS 160 or concurrently or MC 221 or concurrently)
Conflict, war, and conflict resolution in the international system.
- 364 International Organization and Cooperation**
Spring. 3(3-0) 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) Not open to students with credit in 0.
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)
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 years. 3(3-0) Not open to students with credit in 0.
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:M: (PLS 200)
Formal models of collective decision making in politics. Empirical and experimental tests of formal models. Topics may include game theory, social choice theory, spatial models, principal-agent models, or dynamic models.
- 392 Special Topics in Political Science**
Fall, Spring. 4(4-0) A student may earn a maximum of 8 credits in all enrollments for this course. P:N:M: Completion of Tier I writing requirement. R: Open only to juniors or seniors in the Department of Political Science or Interdisciplinary Studies in Social Science major or approval of department.
Issues and problems in contemporary political science.
- 420 American Politics and Public Administration (W)**
Fall, Spring. 4(4-0) P:M: (PLS 301 or PLS 302 or PLS 304 or PLS 305 or PLS 310 or PLS 313 or PLS 320) or (PLS 321 or PLS 322 or PLS 324 or PLS 325 or PLS 331 PLS 333 or PLS 334) and completion of Tier I writing requirement. R: Open only to juniors or seniors in the Department of Political Science or Interdisciplinary Studies in Social Science major with political science as the disciplinary cognate or approval of department.
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.
- 421 Moot Court and Legal Research in Federal Law (W)**
Spring. 4(4-0) P:M: (PLS 320) and (PLS 321 or MC 373) and completion of Tier I writing requirement. R: Open only to juniors or seniors in the Department of Political Science. Open to juniors or seniors in the Interdisciplinary Studies in Social Science major with political science as the disciplinary cognate or approval of department.
U.S. Supreme Court decisions in federal law. Legal research techniques, and participation in moot court exercise. Possible topics include civil rights and civil liberties.
- 432 Political Psychology (W)**
Fall. 4(4-0) P:M: (PLS 200 and PLS 201) and (PLS 301 or PLS 302 or PLS 304 or PLS 310 or PLS 320 PLS 321 or PLS 322 or PLS 324 or PLS 325) or (PLS 331 or PLS 333 or PLS 334) and completion of Tier I writing requirement. R: Open only to juniors or seniors.
Psychological theories of the individual in politics. Political motivations, abilities, skills, personalities, values, attitudes, and identities. Political involvement, expression, and persuasion. Alternative approaches to the study of political psychology.

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- 440 Comparative Politics (W)**
Spring. 4(4-0) P:M: (PLS 322 or PLS 342 or PLS 344 or PLS 351 or PLS 352 or PLS 353 or PLS 354 or PLS 355 or PLS 356 or PLS 357 or PLS 358) and completion of Tier I writing requirement. R: Open only to juniors or seniors in the Department of Political Science or Interdisciplinary Studies in Social Science major with political science as the disciplinary cognate or 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:M: (PLS 361 or PLS 362 or PLS 363 or PLS 364) and completion of Tier I writing requirement. R: Open only to juniors or seniors in the Department of Political Science or Interdisciplinary Studies in Social Science major with political science as the disciplinary cognate or 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) P:M: (PLS 322 or PLS 342 or PLS 344 or PLS 351 or PLS 352 or PLS 353 or PLS 354 or PLS 355) or (PLS 356 or PLS 357 or PLS 358 or PLS 361 or PLS 362 or PLS 363 or PLS 364) and 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 years. Spring of even years. 4(4-0) P:M: (PLS 371 or PLS 372 or PLS 377) and completion of Tier I writing requirement. R: Open only to juniors or seniors in the Department of Political Science or Interdisciplinary Studies in Social Science major with political science as the disciplinary cognate or 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:M: (PLS 381) and completion of Tier I writing requirement. R: Open only to juniors or seniors in the Department of Political Science or Interdisciplinary Studies in Social Science major with political science as the disciplinary cognate or 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:NM: (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.
- 804 Analytical Tools for Public Policy**
Fall. 3(3-0) Not open to students with credit in EC 805 or EC 812A or EC 812B.
Basic tools for public policy analysis. Fundamental concepts of microeconomic theory, such as utility maximization, supply and demand, marginal costs and revenues, and competitive and non-competitive markets. Interest rates and discounting time. Public goods and externalities. Equity and fairness concerns.
- 805 Environmental Politics and Policy**
Fall of odd years. 3(3-0) RB: (PLS 811)
The impact of political institutions and processes on environmental policy. The relationship between state and federal policy, and the increasing role of the states. The politics of air and water pollution, toxic wastes, public lands, risk assessment, and environmental justice.
- 806 Health Politics and Policy**
Spring of odd years. 3(3-0) RB: (PLS 811)
Political institutions, processes, and policies shaping the health care system. The impact of Congress, the presidency, executive agencies, and interest groups on health care policymaking. State versus federal responsibilities. Policy analysis of health care issues.
- 807 Education Politics and Policy**
Fall of even years. 3(3-0) RB: (PLS 811)
Contemporary issues in education politics and policy. Applied policy analysis in K-12 education. Role of policy experiments, theories of education policy change, policy entrepreneurship, and school choice.
- 808 Issues in Urban Policy and Services**
Spring of even years. 3(3-0) Interdepartmental with Social Work. RB: (PLS 811)
Issues in urban public policy. Major theoretical approaches. Urban regimes, local autonomy, public and private authority, economic constraints, social welfare, service delivery, neighborhood and community development, urban educational systems. Race, gender, and ethnicity.
- 810 Proseminar in Public Administration**
Fall. 3(3-0) R: Open only to graduate students in the Department of Political Science or approval of department.
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:M: (PLS 810) R: Open only to graduate students in the Department of Political Science or approval of department.
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 and Budgeting**
Fall. 3(3-0) P:M: (PLS 804) R: Open only to graduate students in Public Administration or Political Science, or approval of department. Not open to students with credit in EC 836.
Literature on the politics of public finance and budgeting. Resource management in the public sector. Taxation and other revenue sources. Regulation, income redistribution, and fiscal federalism. Theory, practice, and empirical analysis of public budgeting.
- 816 Administrative Law**
Fall of even 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 Public Policy and the Nonprofit Sector**
Spring. 3(3-0)
Political, economic, historical, and social perspectives on the nonprofit sector. Public policies promoting and regulating nonprofit organizations. The role of nonprofit organizations in implementing public programs. The public consequences of private actions in the nonprofit sector.

- 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 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 years. 3(3-0)
Research literature on urban government. Structure, process, and policy issues. Intergovernmental relations and fiscal interdependencies.
- 823 State Policies Toward Business**
Fall. 3(3-0) P:NM: (PLS 811)
Political and economic theories of industrial policy, with primary focus at the state level. The design of industrial policies. Interactions between industrial policies and business strategies. Issues involving federalism and national coordination of state-level policies.
- 824 Congress**
Spring of even years. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. P:NM: (PLS 801 and PLS 802 and PLS 820) or approval of department.
The legislative process in Congress, and the electoral connection to voters. Topics may include committees, parties and leadership, candidate recruitment and elections, and interactions between Congress and other national institutions.
- 825 Presidents and National Policymaking**
Fall of odd years. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. P:NM: (PLS 801 and PLS 802) or approval of department.
Presidential influence on national policymaking. Presidential politics and policy outcomes, with special emphasis on the politics of macroeconomic policy. Comparisons to chief executives and policy outcomes in other countries.
- 826 International Development and Sustainability**
Summer. 3(3-0) Interdepartmental with Resource Development; Anthropology; Forestry; Social Science. Administered by Department of Resource Development.
Environmental, economic, political, legal, management, and cultural components of sustainable development.
- 827 Judicial Politics**
Fall of even years. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. P:NM: (PLS 801 and PLS 802) or approval of department.
The research literature on judicial politics. Possible topics include the attitudinal model, small group analysis, the role of interest groups, the impact of public opinion, and inter-institutional relations.
- 828 Public Opinion and Political Behavior**
Fall of odd years. 3(3-0) P:NM: (PLS 801 and PLS 802) or approval of department.
The acquisition and change of political attitudes. The relationship between political attitudes and political behavior. Methods and problems of measuring political attitudes.
- 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 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 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 years. 3(3-0)
Introduction to the political economy of Third World development. Decision making and economic policy.
- 854 Comparative Political Institutions**
Spring. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course.
Political institutions from a comparative perspective. Topics may include electoral systems, political parties, presidential vs. parliamentary systems, representation, federalism, and constitutional engineering.
- 857 Parties and Elections**
Spring of even years. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course.
Origin, organization, and behavior of political parties in advanced industrial societies. Structure and transformation of party systems. Role of issues and elections in party systems. Parties in developing societies.
- 860 Proseminar in International Relations**
Fall of even 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 years. 3(3-0) P:NM: (EC 340) or approval of department.
Politics of the international economy. Trade issues. International finance. North-South interactions.
- 870 Proseminar in Political Thought**
Spring of even years. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course.
Survey of major issues or themes in political philosophy.
- 871 Classical Political Philosophy**
Fall. 3(3-0)
Study of one or more major figures or thinkers in ancient or medieval political philosophy.
- 872 Modern Political Philosophy**
Spring. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course.
Study of one or more major figures or thinkers in modern political philosophy.
- 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.
- 884 Proseminar on Political Institutions and Public Choice**
Fall. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course.
Theories of political institutions, with particular emphasis on the U.S. Possible topics include models of rational action in electoral, legislative, and bureaucratic institutions and problems of majority rule, collective action, and social welfare.
- 890 Data Management in Social Science Research**
Fall, Summer. 2(1-2) Fall: to 40 students. Summer: to 20 students. R: Open only to graduate students in the College of Social Science.
Data-handling software for social science data. Internet data literacy: locating and retrieving data. Data concepts, codebooks, and limitations of data in the social sciences.
- 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.
- 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:NM: (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:NM: (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:NM: (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.

Political Science—PLS

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:NM: (PLS 810 or PLS 811)

Specialized topics in public administration or public policy.

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

Intensive study of one subfield of international politics. Critical evaluation of the literature.

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

Intensive study of one subfield of political philosophy.

980 Research Seminar in Formal Theory
Fall of odd years. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. P:NM: (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.

Doctoral dissertation research.

PORTUGUESE PRT

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:M: (PRT 101)

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:M: (PRT 102)

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:M: (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:M: (PRT 202)

Conversation, reading, and writing to develop proficiency.

340 Topics in Luso-Brazilian Language and Culture
Spring. 3(3-0) P:M: (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 9 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.

602 Primary Care Ambulatory Clerkship
Fall, Spring, Summer. 1 to 36 credits. A student may earn a maximum of 36 credits in all enrollments for this course. Interdepartmental with Osteopathic Medicine; Internal Medicine; Osteopathic Surgical Specialties; Pediatrics; Family and Community Medicine. Administered by Department of Osteopathic Medicine. P:NM: Successful completion of the preclerkship requirements in College of Osteopathic Medicine Units I and II.

A 24-week ambulatory care continuity experience involving 12 weeks in a multidisciplinary environment (family medicine, pediatrics, and internal medicine), 4 weeks in family medicine and 8 weeks in specialty areas (internal medicine, surgery, pediatrics, and obstetrics and gynecology). Didactic sessions are scheduled concurrently.

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:NM: 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:NM: (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:NM: (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.

633 Extended Clinical Experience
Fall, Spring, Summer. 6(6-0) P:M: (PSC 608)

Based in community hospitals and ambulatory sites, this is a 4 week clinical experience emphasizing interviewing skills, history, physical exam, problem solving and therapy.

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:M: (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 of odd years. 3(3-0) Interdepartmental with Women's Studies. Administered by Women's Studies Program.

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:M: (PSY 101)
Relation of structure and function of the nervous system to the biological bases of behavior.