84. Advanced Endocrine Physiology and Pharmacology
Fall. 4(4) Interdepartmental with Animal Science, Pharmacology and Toxicology, and Pharmacy.
P: BCH 461, PSL 452. 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.
QA: PSL 941

890. Readings in Biophysics
Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course. 
R: Approval of department.
Individual study of membrane phenomena or other topics in biophysics.
QA: PSL 990

899. Master's Thesis Research
Fall, Spring, Summer. 1 to 9 credits. A student may earn a maximum of 24 credits in all enrollments for this course. 
QA: PSL 999

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 modern concepts in selected areas of physiology.
QA: PSL 919

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.
QA: PSL 950

960. 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.
QA: PSL 960

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.
QA: PSL 999

Political Science—PLS

Department of Political Science
College of Social Science

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

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 analysis of political systems.
QA: PLS 140

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 trends in world politics.
QA: PLS 160

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.
QA: PLS 170

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.
QA: PLS 200

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.
QA: PLS 200 QA: PLS 201

301. American State Government
Spring. 3(3-0)
P: PLS 100.
QA: PLS 301

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.
QA: PLS 310

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.
QA: PLS 310 QA: PLS 313

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. Role of judges, juries, counsel, litigants, and interest groups in the adjudication process.
QA: PLS 320

342. Comparative Political Institutions
Fall, Spring. 3(3-0)
P: PLS 140.
QA: PLS 342

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.
QA: PLS 344

351. African Politics
Fall. 3(3-0)
P: PLS 140.
Political institutions and governmental processes in Sub-Saharan Africa.
QA: PLS 351

354. Politics of Asia
Fall of even numbered years, Spring of odd numbered years. 3(3-0)
P: PLS 140.
Political institutions, political actors, and policy-making processes in selected Asian countries.
QA: PLS 354

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.
QA: PLS 356

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.
QA: PLS 357

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.
QA: PLS 358

A-143
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. Theory of international political economy.
QA: PLS 160, EC 201, EC 202

362. Foreign Policy Spring or 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 recurring problems in foreign policy making.
QA: PLS 160 QA: PLS 362, PLS 367

363. International Political Conflict Fall of even-numbered years. 3(3-0)
P: PLS 180. R: Not open to students with credit in MC 220.
Conflict, war, and conflict resolution in the international system.
QA: PLS 160

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.
QA: PLS 160

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, and Cicero.
QA: PLS 170 QA: PLS 370, PLS 371

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.
QA: PLS 170 QA: PLS 372

377. American Political Thought Fall of even-numbered years. 3(3-0)
P: PLS 170. R: Not open to students with credit in MC 371.
Major themes of American political thought. Topics may include the founding of the U.S., nationalism, race relations, or progressivism.
QA: PLS 170 QA: PLS 377, PLS 378

381. Collective Decision Making in Politics Fall. 3(3-0)
P: PLS 260.
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.
QA: PLS 260

382. Game Theory and Politics Spring. 3(3-0)
P: PLS 260.
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.
QA: PLS 260

420. American Politics and Public Administration Fall. Spring. 3(3-0)
A student may earn a maximum of 6 credits in all enrollments for this course.
P: PLS 301 or PLS 310 or PLS 313 or PLS 320 or PLS 321 or PLS 324 or PLS 325 or PLS 351 or PLS 333 or PLS 334. R: Not open to freshmen and sophomores.
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.
QA: PLS 200

440. Comparative Politics Spring. 3(3-0)
A student may earn a maximum of 6 credits in all enrollments for this course.
P: PLS 342 or PLS 344 or PLS 351 or PLS 354 or PLS 355 or PLS 357 or PLS 358. R: Not open to freshmen and sophomores.
Capstone course in one subfield of comparative politics. Potential topics include political development, urbanization, role of public opinion, human rights, and women in development.
QA: PLS 445

460. International Relations Fall, Spring. 3(3-0)
A student may earn a maximum of 6 credits in all enrollments for this course.
P: PLS 361 or PLS 362 or PLS 383. R: Not open to freshmen and sophomores.
Capstone course in one subfield of international relations. Potential topics include international conflict, foreign policy, dispute resolutions, and international political economy.
QA: PLS 469

470. Political Thought Fall of odd-numbered years, Spring of odd-numbered years. 3(3-0)
A student may earn a maximum of 6 credits in all enrollments for this course.
P: PLS 371 or PLS 372 or PLS 377. R: Not open to freshmen and sophomores.
Capstone course in one area of political thought. Potential topics include liberty, justice, equality, Aristotle, Plato, Locke, Hobbes, and Mill.

490. Formal Theories of Politics Spring. 3(3-0)
A student may earn a maximum of 6 credits in all enrollments for this course.
P: PLS 381 or PLS 382. R: Not open to freshmen and sophomores.
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.
QA: PLS 200

499H. 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. QA: PLS 490H

499I. 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 Honor Program. Approval of department.
Original research and writing under direction of a faculty member. QA: PLS 491H

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. QA: PLS 494

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. QA: PLS 495
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. QA: FLS 840

821. State Government and Politics
Spring of even-numbered years, 3(3-0) Research literature on state government. Interstate differences. Parties, elections, governors, state legislatures, bureaucracy, interest groups, and policy outcomes. QA: FLS 844

822. Urban Government and Politics
Spring of odd-numbered years, 3(3-0) Research literature on urban government. Structure, process, and policy issues. Intergovernmental relations and fiscal interdependencies. QA: PLS 845

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. QA: FLS 850

851. Development Administration
Fall of even-numbered years, 3(3-0) Design and organization of programs, projects, and agencies. Political and economic development in poor countries. Effects of politics and culture on organizational performance. Public management from planning to evaluation. QA: FLS 910

852. Comparative Public Administration
Fall of odd-numbered years, 3(3-0) Administrative systems in industrialized countries. Historical origins, personnel recruitment, bureaucracy, and public decision making. Planning and market regulation, public spending, and public outcomes. QA: FLS 914

853. Political Economy of Development Policy
Spring of even-numbered years, 3(3-0) Introduction to the political economy of Third World development. Decision making and economic policy. QA: FLS 914

855. Agrarian Politics in the Third World
Fall of odd-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. QA: FLS 855

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. QA: FLS 860

861. International Political Economy
Fall of odd-numbered years, 3(3-0) P: EC 340 or approval of department. QA: FLS 861

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. QA: FLS 870

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. QA: FLS 880

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. QA: PRT 299

884. Field Experience Practicum
Fall, Spring, 3(3-0) R: Open only to graduate students in Public Administration or Political Science. Internships in government, private, and government-related agencies or other approved organizations.

885. Degree Project Seminar
Fall, 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. QA: PRT 802

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. QA: PLS 850

902. Research Seminar in Evaluation Research
Fall, Spring, 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. QA: PRT 802

903. Policy Analysis Practicum
Fall, Spring, 3 credits A student may earn a maximum of 9 credits in all enrollments for this course. QA: PRT 802

910. Research Seminar in American Politics
Spring, 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. QA: PRT 802

920. 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. QA: PRT 802

970. Research Seminar in Political Thought
Fall of even-numbered years, 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. QA: PRT 870

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. QA: PRT 880

992. Readings in Political Science
Fall, Spring, Summer. 1 to 4 credits. QA: PRT 992

999. Doctoral Dissertation Research
Fall, Spring, Summer. 1 to 12 credits. A student may earn a maximum of 24 credits in all enrollments for this course. QA: PRT 999

PORTUGUESE

PRT

Department of Romance and Classical Languages
College of Arts and Letters

101. Elementary Portuguese I
Fall, 4(4-1) QA: PRT 101

102. Elementary Portuguese II
Spring, 4(4-1) QA: PRT 102

201. Second-Year Portuguese I
Fall, 4(4-0) QA: PRT 201

202. Second-Year Portuguese II
Spring, 4(4-0) QA: PRT 202

290. Independent Study
Fall, Spring. 1 to 4 credits. QA: PRT 299

PORTUGUESE—Descriptions of Courses