

**491 Selected Topics in Plant Pathology**  
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. P:M: (PLP 405 or PLP 407)

Selected topics in plant pathology of current interest and importance.

**492 Seminar**  
Spring. 2(2-0) P:M: (PLP 498) and completion of Tier I writing requirement. RB: (PLP 405)

Capstone course. Experience in scientific writing, oral presentations, professional preparation, and current developments in plant pathology.

**493 Professional Internship in Plant Pathology**

Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to juniors or seniors in the Plant Pathology major. Approval of department, application required. A student may earn a maximum of 6 credits for any or all of these courses: ABM 493, AEE 493, ANR 493, ANS 493, CSS 493, EEP 493, FIM 493, FSC 493, FW 493, HRT 493, PKG 493, PLP 493, PRR 493, and RD 493.

Supervised professional experiences in agencies and businesses related to plant pathology.

**498 Undergraduate Research**  
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course. P:M: Completion of Tier I writing requirement. R: Approval of department

Faculty supervised laboratory. Field research in plant pathology.

## 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 Government and Politics of the World**  
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.

**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)

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.

**356 West European Politics**  
Fall, Summer. 3(3-0)

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

## Political Science—PLS

- 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) RB: (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)  
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)  
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. RB: 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 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 or 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.
- 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 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 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.

## PORTUGUESE PRT

### Department of Spanish and Portuguese 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.

## 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.

**235 Social Psychology**  
Fall, Spring, Summer. 3(3-0) P:M: (PSY 101) 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.

**236 Personality**  
Fall, Spring, Summer. 3(3-0) P:M: (PSY 101)

Theories of personality, assessment techniques, and research on personality functioning and individual differences in interpersonal behavior. Emphasis on normal behavior.

**239 Psychology of Women**  
Fall. 3(3-0) P:M: (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:M: (PSY 101)

Physical, cognitive, emotional, and social development from infancy through childhood.

**246 Sensitivity to Children I**  
Fall. 3(2-2) P:M: (PSY 101) 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 videotaped sessions. Readings and discussions cover problems faced by parents, teachers and child therapists.

**247 Sensitivity to Children II**  
Spring. 3(2-2) P:M: (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**  
Spring, Summer. 3(3-0) P:M: (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:M: (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:M: (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:M: (PSY 101) and (MTH 110 or MTH 114 or MTH 116 or MTH 124 or MTH 106) or (MTH 132 or MTH 152H or MTH 201 or STT 200 or STT 201) Not open to students with credit in STT 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.

**320 Health Psychology**  
Fall, Spring. 3(3-0) P:M: (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:M: (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:M: (PSY 101)

A Freudian framework, including psychosocial development, dreams, unconscious processes, defense mechanisms, prejudice, discrimination, cults, inability to sleep, anxiety, depression, schizophrenia, sexual problems, and love.

**344 Developmental Psychology: Adolescence Through Youth**  
Spring, Summer. 3(3-0) P:M: (PSY 244)

Theory and research in physical, cognitive, emotional, and social development from puberty to early adulthood.