801. Advanced Physiology
Winter. 5(6-0) PSL 432 or PSL 402 or approval of department; courses in anatomy, histology, biochemistry and calculus recommended. Principles of physiological control systems. Physiology of respiration including acid base balance. Physiology of nervous system; properties of peripheral nerves, synaptic transmission, reflexes, CNS physiology.

802. Advanced Physiology
Spring. 5(6-0) PSL 432 or PSL 402 or approval of department; courses in anatomy, histology, biochemistry and calculus recommended. Physiology of kidney, body fluid regulation, heart and peripheral circulation.

803. Advanced Physiology
Fall. 5(6-0) PSL 432 or PSL 402 or approval of department; courses in anatomy, histology, biochemistry and calculus recommended. Physiology of the digestive system, regulation of metabolism; endocrinology and reproduction.

804A. Neurosciences Laboratory I
Winter. 4(2-4) Approval of instructor. Interdepartmental with the departments of Biophysics, Psychology, and Zoology. Administered by the Department of Psychology. Development of skills in the methods, techniques and instrumentation necessary for research in a variety of areas concerned with neuroscience.

804B. Neurosciences Laboratory II
Spring. 4(2-4) PSY 804A. Interdepartmental with the departments of Biophysics, Psychology, and Zoology. Administered by the Department of Psychology. Continuation of PSL 804A.

808. Neuroendocrinology
Winter. 3(3-0) Approval of department. Anatomical, biochemical and physiological aspects of neuroendocrinology. Control systems and interaction among endocrine glands will be emphasized.

819. Kidney Physiology and Electrolyte Metabolism
Summer. 4(4-0) PSL 802, approval of department. Critical study of the literature on classical and contemporary principles of renal physiology and related aspects of body fluid and electrolyte metabolism.

836. Physical Principles of Biological Systems
Winter. 3(3-0) Application of laws and methods of physics to measurement and description of physiological phenomena.

837. Radiobiology
Fall. 3(3-0) Approval of department. Application of radiotracers techniques to study of biological functions. Determination of turnover rates and tissue constituents by isotope dilution. Control of radiation hazards.

859. Analysis of Hormone Action
Spring. 4(4-0) ZOL 317, or approval of department. Interdepartmental with and administered by the Department of Zoology. Discussion of recent work on the molecular and developmental aspects of hormone action in vertebrates and invertebrates. Selected topics to vary from year to year.

865. Advanced Neurobiology
Spring. 4(4-0) BPY 827. Interdepartmental with the departments of Anatomy, Biophysics, Psychology, and Zoology. Administered by the Department of Anatomy. Basic organization, structure and function of neural networks comprising sensory, motor and autonomic systems including examples from invertebrates and vertebrates. Attendance at neuroscience seminar is required.

870. Research Problems and Techniques in Pathologic Physiology
Spring. 4(3-0) PSL 801, PSL 802, PSL 803. Description of mechanisms of human disease states. Stimulation of research where especially needed. Development of animal models to study these disease states; lecture demonstrations illustrate methods of producing disease models.

875. Advanced Physiology Laboratory
Spring. 4(2-5) PSL 801, PSL 802, PSL 803 and approval of department. Experiments in animal and human physiology; data collection, analysis and interpretation.

885. Vertebrate Neural Systems I
Fall. of odd-numbered years. 5(3-4) Approval of department. ANT 815 and BPY 827 recommended. Interdepartmental with the departments of Zoology, Biophysics, and Psychology. Administered by the Department of Psychology. Structure and function of major component systems of vertebrate brains; their evolution, ontogeny and comparative analysis in mammals, birds, reptiles, amphibians and fish. Interrelation of behavioral, anatomical and physiological studies.

886. Vertebrate Neural Systems II
Winter of even-numbered years. 5(3-4) PSY 885. Interdepartmental with the departments of Psychology, Biophysics, and Zoology. Administered by the Department of Zoology. Continuation of PSL 885. Major component systems of vertebrate brains; their evolution, ontogeny, and comparative analysis in mammals, birds, reptiles, amphibians and fish. Interrelation of behavioral, anatomical, and physiological studies.

899. Master's Thesis Research
Fall, Winter. Spring, Summer. Variable credit. Approval of department.

910. Seminar
Fall, Winter, Spring. 3(3-0) May reenroll for a maximum of 6 credits for the Master's program and a maximum of 4 additional credits for either the Ph.D. or the diploma program.

915. Respiratory Physiology
Winter of odd-numbered years. 4(3-2) PSL 801, approval of department. Development of ideas leading to the present state of knowledge in respiration.

919. Cardiovascular System
Fall. 4(3-2) May reenroll for a maximum of 12 credits if different topics are taken. PSL 801. Classical and current literature on physiology of heart, circulation, and microcirculation. Each fall a different one of these three topics will be discussed. Laboratory work illustrates methodology and special procedures.

945. Physiology of Mammalian Reproduction
Winter of odd-numbered years. 4(3-0) DRY 445 or PSL 445 or approval of department. Interdepartmental with and administered by the Department of Dairy Science. Chemistry and biosynthesis of reproductive hormones. Gonadals, hypothalamic and pituitary development of reproductive potential. Ovulation, fertilization, implantation and placenta will be studied. Relationships of concepts, uterus and corpus luteum. Parturition.

950. Topics in Physiology
Fall, Winter, Spring, Summer. 1 to 3 credits. May reenroll for a maximum of 9 credits. Approval of department. Classical and modern concepts in selected areas of physiology.

980. Problems
Fall, Winter, Spring, Summer. 1 to 3 credits. May reenroll for a maximum of 9 credits. Approval of department. Limited amounts of individual work on selected research problems.

999. Doctoral Dissertation Research
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

POLITICAL SCIENCE PLS
College of Social Science

100. American National Government
Fall, Winter, Spring, Summer. 4(3-4) Major aspects of national government with emphasis on the policy-making process.

140. Comparative Politics
Fall, Winter, Spring. 4(3-0) Comparison of political systems in western and non-western nations.

160. International Relations
Fall, Winter, Spring. 4(3-0) Contemporary world affairs surveyed. The struggle for power, the nation-state systems; factors creating harmony and hostility among nations. War and peace in our time.

170. The Isms
Fall, Winter, Spring. 4(3-0) Introduction to basic contemporary political ideologies; theoretics foundations of democracy, socialism, communism, political elitism, and nationalism. Special attention to ideology underlying contemporary political problems.

200. Introduction to Political Science
Fall, Winter, Spring. 4(3-0) Acquaints the student with the theories, methods and concepts of political science. Emphasis is on ideology and interests in the political process.

IDC. Introduction to Latin America III
For course description, see Interdisciplinary Courses.
313. Public Policy Analysis
Winter, 4(3-0)
Problems and methods in perception of public problems, determination of goals, generation and evaluation of policy alternatives, policy choice; planning and program budgeting, political and analytical methods of policymaking compared.

320. The American Judicial Process
Fall, Winter, Spring, Summer, 4(3-0)
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 adjudication processes.

321. Judicial Policymaking
Fall, Spring, 4(3-0)
Consideration of political behavior of judges (especially Justices of Supreme Court) and their policymaking. Focus on policy questions currently important, including civil liberties, national economic policy and interrelationships among governmental units.

324. The American Legislative Process
Winter, 4(3-0)
Nature of legislative process in the United States; organization and procedure of legislative bodies; direct legislation; relationship of legislative branch to other branches of government.

325. The American Executive Process
Spring, 4(3-0)
Role of the president, state governors, and municipal executives in the American system of government. Analysis and discussion of constitutional status and powers, selection, administrative responsibilities, legislative and political leadership, accountability and responsibility of chief executives.

330. Government and the Mass Media
Spring, 4(3-0), Juniors.
How press, radio, television and journals shape public opinion and government policy; examines questions of influence and linkage; regulation vs. free comment, and the media as an interest group.

331. American Political Parties
Fall, Winter, Spring, 4(3-0)
Origins, structure, and functions of political parties. Dynamics of the two-party system. Role of third parties.

332. Interest Groups and Political Movements
Winter, 4(3-0)
Group theory and politics. Growth of organizations and associations to represent the interests of business, labor, agricultural, professional, veterans, and other groups. Internal politics of private associations and their impact on public policy.

333. Political Opinion and Voting Behavior
Fall, Winter, Spring, 4(3-0)
Development of political attitudes, ideology, and partisanship and their relation to voting behavior; political participation; comparisons of mass and elite attitudes and behavior; representation of public opinion in the political system.

334. Campaigns and Elections
Fall, Spring, 4(3-0)
Methods of campaigning, nominating process and recruitment of candidates. Formation of electoral coalitions and analysis of election results. Examination of trends and changes in electoral support.

335. Comparative Parties and Pressure Groups
Spring, 4(3-0)
Dynamics of political party and pressure group behavior in selected political systems. Comparative analysis of organization, ideologies, membership, leadership, tactics, power and influence of parties.

337. Ethnicity, Race and Politics
Winter, 4(3-0), Juniors.
Ethnicity and race as factors in the political process and as issues of public policy.

338. Politics and Inequality
Winter, Spring, 4(3-0)
Nature of democratic politics, distribution of power and the role of political elites, and impact of politics on social inequality and policymaking in the United States and in comparative perspective.

339. Political Socialization
Fall, Winter, Spring, 4(3-0)
The development of political attitudes in children; changes in content over time; the influence of the family, school, peers, group differences in political attitudes; political socialization through the life cycle.

340. Theories of Comparative Politics
Fall, Winter, Spring, 4(3-0)
Alternate methods for comparative cross-cultural analyses of political systems. Political structures, functions, cultures, stability and change. The problem of equivalence.

344. The Politics of Developing Areas
Spring, 4(3-0)
Process of political growth in emergent societies of the world; stresses of change and flux resulting from economic development in relation to the structure and dynamism of government.

345. Political Institutions and Behavior in South Asia
Fall of even-numbered years, 4(3-0)
Political ideas and institutions in India, Pakistan, and related territories; analysis of constitutional development, political parties, legislatures, administration, planning, foreign policy and their interaction with the social system.

347. African Politics
Winter of even-numbered years, 4(3-0)
Political practices and perspectives in Africa. Special attention to emerging independent nations of Sub-Saharan Africa. Analyses of sociopolitical change, nationalism, cultural duality, nation-building, pan-Africanism.
348. Major African Political Systems
Spring of even-numbered years. 4(3-0)
Systematic analysis of three or four specific African political systems, with countries chosen on the basis of their contemporary importance and their representatives of the general political problems of the area.

349. Politics of English Speaking Democracies
Spring. 4(3-0)
Political institutions and development of the English speaking nations. Special attention to Great Britain, Canada, and the U.S. parliamentary systems, parties, pressure groups, and problems of these societies.

350. The Governments and Politics of Latin America
Winter of odd-numbered years. 4(3-0)
Survey of politics in the area; competing ideologies, types of resolutions, sources of instability, party and interest group developments, relationships between political, social, and economic structures, and relationships between the United States and Latin America.

351. Major Latin American Political Systems
Spring of odd-numbered years. 4(3-0)
Systematic analysis of three or four specific Latin American political systems, with countries chosen on the basis of their contemporary importance and representativeness of the general political problems of the area.

352. Political Institutions and Behavior in East Asia
Winter of even-numbered years. 4(3-0)
China, Japan, and Korea. Political ideas, institutions and practices in societies of East Asia. Dynamics of political organization; role of competing ideologies and systems of behavior; interaction of domestic and foreign policies.

353. Political Institutions and Behavior in Southeast Asia
Spring of even-numbered years. 4(3-0)
Philippines, Indonesia, Malaysia, Thailand, Vietnam, Cambodia, Laos, Burma.

354. Western European Political Institutions and Behavior
Fall. 4(3-0)
Analysis of parliaments systems of Britain and selected European societies. Basic institutions, socioeconomic conditions, recruitment of leadership, pressure groups, and party organization and tactics, voting behavior, policymaking, roles of executive, legislature and bureaucracy.

355. European Political Institutions and Behavior
Winter. 4(3-0)
Continuation of PLS 356. Attention to European countries not previously treated. Emphasis on dynamics of political organization and behavior in these societies.

356. Soviet Political Institutions and Behavior
Fall of even-numbered years. 4(3-0)
Study of Soviet society as a political system; its origins, development, institutions, functioning, and trends. Comparisons will be made with other political systems.

357. Eastern European Governments
Winter of even-numbered years. 4(3-0)
Comparative analysis of East-European socialist countries, their political cultures, institutions, problems, policies, and trends of development.

358. Theory and Practice of Foreign Policy
Fall, Spring. 4(3-0)
Systematic analysis of the dynamics of contemporary world politics. Major theories and concepts of foreign policymaking and international policy. Comparative study of factors shaping foreign policy in various states. Examination of current and recurrent problems.

359. International Law
Fall. Spring. 4(3-0)
Origins and development of international law. Legal interstate relationships in time of peace and war. Recognition of states and governments, diplomatic practice; treaties; war; neutrality.

360. International Organization
Winter. 4(3-0)

361. The United States in World Affairs
Winter. Spring. 4(3-0)
Resources, policies, and role of the United States as a great power. Contemporary United States foreign policy in the key and critical areas of the world. Major factors affecting future course of American foreign policy.

362. Foreign Policies of Major Powers
Winter. 4(3-0)
Examination of foreign policies and decision-making processes of major powers, such as the Soviet Union, China, Great Britain, France, Japan, and India. Analysis of their foreign policy goals, the role of ideology, national interest, and institutions.

363. Politics and Military Force
Winter. Spring. 4(3-0) PLS 200 or M S 325 or approval of department.
Organization and use of military force in relation to the achievement of political goals of the United States and other powers.

364. Classics of Political Thought
Fall. 4(3-0)
Political ideas of Plato, Aristotle, Cicero, Augustine, Aquinas, and other leading political philosophers of classical Greece, Rome, and Christendom through the medieval periods.

365. Classics of Political Thought II
Winter. 4(3-0)
Political ideas of Machiavelli, Hobbes, Locke, Montesquieu, Rousseau, and other leading political philosophers. Their works are fundamental in understanding such modern concepts as sovereignty, the state, freedom, and power.

366. Classics of Political Thought III
Spring. 4(3-0)
Political ideas of Burke, Bentham, Hegel, Mill, Marx, and other leading political and social philosophers whose works underlie modern political ideologies as liberalism, socialism, and communism.

367. Comparative Communism—Theory
Winter, Summer. 4(3-0)
Development of Communist doctrine, Marxism, and Marxism-Leninism. Critical analysis of the principal ideas of Marxism, and Communism. Conflicts between different interpretations of Marxist-Leninist doctrine within contemporary Communism.

368. American Political Thought
Fall. 4(3-0)
Colonial times to the Civil War. Roger Williams, Thomas Jefferson, John Adams, and John C. Calhoun will be discussed in the context of major political issues.

369. American Political Thought
Winter, Summer. 4(3-0)
Civil War to present. Henry George, Edward Bellamy, Thorstein Veblen, and John Dewey will be discussed in the context of major political issues.

370. Foundations of Modern Political Theory
Winter. Spring. 4(3-0)
Major ideas in the social sciences which have been or may be utilized in the development of systematic theories of political institutions and behavior.

371. Foundations of Modern Political Theory
Fall. Spring. 4(3-0)
Continuation of PLS 380.

IDC. Survey of Sub-Saharan Africa
For course description, see Interdisciplinary Courses.

IDC. Survey of Sub-Saharan Africa
For course description, see Interdisciplinary Courses.

404. Selected Aspects of State and Local Government
Fall, Winter, Spring, Summer. 5(3-0)
May enroll for a maximum of 15 credits. Political science seniors or approval of department.
Covers different subjects at different times such as community decision making, metropolitan problems, and intergovernmental relations.

410. Politics of Schools
Fall. 4(3-2)
Description and explanation of authority structures in schools. Examination of alternative philosophical bases of school organization and behavior. Explanation of the political context and consequences of findings on educational achievement. Field work required.

415. Advanced Seminar in Policy and Bureaucracy
Fall, Spring. 5(3-0) Political science seniors or approval of department.
Special aspects of public administrative processes and organization, with special reference to particular policy areas and the policy process.

420. Judicial Policymaking and Behavior
Fall, Winter, Spring. Summer. 5(3-0)
Political science seniors or approval of department.
Analysis of policymaking by judicial systems. Research theory and methods in judicial behavior. Socialization of judges, and the relationship between judicial attributes, and judicial ideologies and attitudes and values.
430. Seminar in Political Organization and Behavior
Fall, Winter, Spring, Summer. 3(3-0)
May reenroll for a maximum of 15 credits. Political science Seniors or approval of department.
Covers different subjects at different times such as legislative behavior, electoral behavior, and public opinion.

437. Psychology of Political Behavior
Fall, Winter, Spring. 3(3-0) PSY 335 or SOC 251 or six credits in sociology or political science. Interdepartmental, with and administered by the Department of Psychology. Psychological theories, principles, methods and techniques applied to political behavior, belief systems, personality, political thought, political leadership, interpersonal and international relations and tensions.

IDC. Refugees, Displaced Persons, Hostages, Exiles
For course description, see Interdisciplinary Courses.

454. Special Topics in Comparative Politics
May reenroll for a maximum of 15 credits. Political science Seniors or approval of department. Comparative analysis of various topics, such as political recruitment, elites, urbanization, and totalitarian systems.

469. Special Problems in International Politics
Fall, Winter, Spring, Summer. 3(3-0) May reenroll for a maximum of 15 credits. Political science Seniors or approval of department. Analysis in depth of special problems, subjects, or areas in international politics: Sin-Sino conflict, nationalism and international politics, alliances and international politics.

473. Selected Aspects of Political Thought
Fall, Winter, Spring, Summer. 3(3-0) May reenroll for a maximum of 15 credits. Political science Seniors or approval of department. A senior seminar which will focus on philosophical and ideological problems raised in contemporary political thought.

490I. Honors Internship
Fall, Winter, Spring. 3 to 6 credits. May reenroll for a maximum of 9 credits. Students in Honors College or in PLS Honors Program and approval of department. Supervised participation in research or teaching.

491I. Senior Honors Thesis
Fall, Winter, Spring. 3 to 6 credits. May reenroll for a maximum of 9 credits. Honors Program participants. A substantial piece of writing involving original research under direction of a faculty member.

494. Field Work in Political Science
Fall, Winter, Spring. 3(1-10) to 12(1-40) May reenroll for a maximum of 12 credits. Approval of department. Supervised field work may be offered in several of the areas of departmental study, such as public administration, political organization and behavior, public law and judicial behavior, state and local government, comparative political institutions and behavior, etc. Field work may involve internship with public agencies, participation in research, intensive analysis of judicial behavior, etc. Students should reserve several mornings or afternoons for this work.

495. Independent Study
Fall, Winter, Spring. 3 to 6 credits. May reenroll for a maximum of 6 credits. Advanced undergraduates. Approval of instructor and department. Individual reading and research supervised by a member of the department.

800. Proseminar in Political Theory and Research Methods
Fall, Winter, Spring. 4(3-0) May reenroll for a maximum of 12 credits. Approval of department. Issues arising in the pursuit of reliable knowledge about political phenomena; to the major problems in relating theory and empirical research; and to major theoretical ideas in the study of political institutions and behavior.

810. Proseminar in Public Administration
Fall, Winter, Spring. 4(3-0) May reenroll for a maximum of 8 credits. Survey of the important American literature, ideas and schools of thought and practice of this century. Contemporary and emerging problems of responsibility, planning, personnel and organizational methods in American government discussed against the background of the past fifty years' systematic study of public administration.

812. Public Personnel Administration
Fall. 4(3-0) Historical development and current practices of personnel management in government. An introduction to various public personnel topics including: employee recruitment and selection, affirmative action and labor relations programs, employee development, and others.

815. Politics of Public Budgeting
Spring. 4(3-0) PLS 810 or approval of department. Politics of the budgetary process: theories, budget cycle, scarcity and budgetary planning, budgetary reforms, analysis of the budgetary process. Development in budgeting such as "sunset" legislation and zero-base budgeting.

830. Proseminar: Political Organization and Behavior
Spring. 4(3-0) Basic literature and concepts relating to political parties, political groups, legislative process, voting behavior, public opinion, and political attitudes.

837. Psychological Aspects of Politics
Fall, Winter, Spring. 4(3-0) Interdepartmental with the Department of Psychology. Relevance of psychological concepts, theories and methods for the study of political institutions, organizations and behavior.

IDC. Interdisciplinary Seminar
For course description, see Interdisciplinary Courses.

840. Proseminar in American Politics
Winter, Spring. 4(3-0) May reenroll for a maximum of 6 credits. Basic literature and concepts in American politics and critical examination of approaches and methods.

850. Proseminar in Comparative Politics
Winter. 4(3-0) May reenroll for a maximum of 12 credits. Developments in comparative politics and critical examination of its methods, approaches, and purposes.

860. Proseminar in International Relations
Fall, Spring. 4(3-0) May reenroll for a maximum of 8 credits. International relations as a field of graduate study. Special attention to methods, major substantive problems, and principal bibliography.

870. Proseminar in Political Thought
Fall, Winter. 4(3-0) May reenroll for a maximum of 8 credits. Selected classics in political thought and some of the significant ways of approaching the literature. Major political concepts in the ancient and modern literature, and contemporary bibliography in political thought.

880. Proseminar in General Political Theory
Winter, Spring. 4(3-0) May reenroll for a maximum of 8 credits. PLS 800 or approval of department. Survey of contemporary theories of political processes, emphasizing conceptualizations that transcend, and apply to, specific content areas. Includes analysis of political conflict processes, individual and social choice, political leadership.

894. Field Experience Practicum
Fall, Winter, Spring, Summer. 4 to 12 credits. May reenroll for a maximum of 12 credits. Graduate students; approval of Program Guidance Committee. Participant observation of the administration of public policy in governmental organizations. Faculty supervision is provided to ensure both a practical and a scholarly experience. Agency subject to guidance committee approval.

899. Master's Thesis Research
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

901. Research Methods of Political Science
Winter. 4(3-0) May reenroll for a maximum of 8 credits. PLS 800 or approval of department. Design and execution of political research. Special attention given to polietitcal methods, their theoretical bases, uses, and interpretations.

903. Advanced Problems of Political Research
Fall, Winter, Spring. 4(3-0) May reenroll for a maximum of 12 credits. PLS 800 or approval of department. Analysis of special problems in political research. Such areas as the philosophic basis of political science, the nature of political research and in-depth study of research techniques and strategies may be covered.
911. Theories of Administrative Organization
Winter, 4(3-0) Majors or approval of department.
Analysis of some recent contributions by the behavioral sciences to formal organization theory.

914. Comparative Public Administration
Winter, 4(3-0) Majors or approval of department.
Comparative study of the administrative systems of major nations. Analysis of the manner in which their patterns have been transformed into dependent and developing countries and of the subsequent modifications of these patterns. Social and cultural setting of a administration.

921. Judicial Systems
Winter of even-numbered years, 4(1-0)
Structure and functions of judicial systems, including all American state and federal courts and those of other countries. Interrelationships between courts, administration of judicial bureaucracies (including administrative personnel as well as judges) and analysis of judicial decision-making processes.

922. Judicial Behavior
Fall of even-numbered years, 4(3-0)
Design and execution of research in judicial decision making. Projects include both individual and group work, and field as well as library research. Critical evaluation of reports of other research investigations with which seminar projects articulate.

931. Political Groups and Movements
Fall of even-numbered years, 4(3-0)
Operation of interest groups, sociopolitical movements, cliques, and juntas. Interests and ideologies underlying these groups and channels of their demands into the political system. Basis, growth, and internal politics of political groups and movements and their relation to formation of public policy and governmental institutions.

932. Legislative Process
Spring of even-numbered years, 4(3-0)
Behavior of legislative bodies in the context of the political system, including other governmental institutions. Selection and legislative roles of legislators, and legislative decision making.

933. Political Parties
Fall of odd-numbered years, 4(3-0)
Operation of political parties in the political system. Relationship between party organization, electoral system, and the recruitment and advancement of political leaders. Interaction between parties and other political groups.

934. Voting Behavior, Political Attitudes and Public Opinion
Spring of odd-numbered years, 4(3-0)
Study of the voting behavior of electorate and decision-making bodies; of political attitudes and opinions; and of the relationships among political attitudes, popular voting, and public policies.

935. Seminar in Political Socialization
Fall, Winter, Spring, 4(3-0)
Processes and agents of political socialization; mechanisms of learning and differential influence of various agencies of socialization; subgroup and comparative political socialization; socialization to new political roles.

941. Metropolitan Area Government and Politics
Fall of odd-numbered years, 4(3-0)
Core city and suburban issues and policies resulting from rapid urbanization, causes and effects of urban central city frictions; the search for decision-making machinery in metropolitan areas.

942. Federalism and Intergovernmental Relations
Winter of odd-numbered years, 4(3-0)
How federal systems originate and are maintained; patterns in allocations of power between national and state levels; the political processes involved in intergovernmental relations, cooperative federalism; trends in American federalism.

943. Community Decision Making
Winter of even-numbered years, 4(3-0)
Discussion and critique of the power structure literature; emphasis on methods of studying community elites.

944. State Government and Politics Seminar
Spring of odd-numbered years, 4(3-0)
Comparative study of state governments based on resources and other aggregate characteristics, political organization and behavior. Models of political process, governmental structure variables and their relation to policy outputs.

953. The Politics of Selected Areas
Winter of even-numbered years, 4(3-0)
May reenroll for a maximum of 12 credits. Approval of department.

954. Selected Topics in International Relations
Winter, 4(3-0) May reenroll for a maximum of 12 credits. Approval of department.
Intensive analysis of special problems and issues such as international political and economic development, and intercultural communications, international violence, etc.

971. Classical and Medieval Political Thought
Spring of odd-numbered years, 4(3-0)
Systematic analysis of selected works of such classical political philosophers as Plato, Aristotle and others whose work provides both an understanding of the premodern political perspective of the Western World and the philosophical underpinnings of modern political thought.

972. Modern Political Thought
Spring of even-numbered years, 4(3-0)
Systematic analysis of selected works of such writers as Machiavelli, Hobbes, Locke, Montesquieu, Hume, Rousseau, Burke, Mill, Marx or other political philosophers. Special attention is given to those writers or works relevant to understanding the philosophical foundations of contemporary social science and ideology.

973. American Political Thought
Fall of odd-numbered years, 4(3-0)
Study of the thinkers and social forces which have shaped American political ideology.

981. Selected Topics in General Political Theory
Fall, Winter, Spring, 4(3-0) May reenroll for a maximum of 12 credits. PLS 850 or approval of department.
Analysis in depth of such topics as individual political choice, collective choice and decision making, political coalitions, political leadership, political communication and diffusion processes, political integration and differentiation, equality and inequality, and interaction models of conflict.

990. Seminar
Fall, Winter, Spring, 4 to 12 credits. May reenroll for a maximum of 36 credits.
Intensive training in individual or group research. Sections of the seminar may involve one or more dual-tuition fields and the credit earned will vary accordingly.

993. Readings in Political Science
Fall, Winter, Spring, Summer.
Variable credit. May reenroll for a maximum of 10 credits.

999. Doctoral Dissertation Research
Fall, Winter, Spring, Summer.
Variable credit. Approval of department.

PORTUGUESE
See Romance and Classical Languages.

POULTRY SCIENCE

College of Agriculture and Natural Resources

224. Poultry Science and Practice
Winter, Spring, 4(3-3)
Poultry in the agricultural economy, fundamental principles of anatomy, physiology and body systems; diseases, their prevention and control, management practices and procedures in producing poultry meat and eggs.

301. Special Problems
Fall, Winter, Spring, Summer.
Variable credits. May reenroll for a maximum of 6 credits. Approval of department.
Studies in any of the following: avian genetics, management, nutrition, physiology, other areas of poultry science.

413. Avian Nutrition
Fall, 4(3-3) ANS 325.

424. Poultry Breeding and Incubation
Winter of even-numbered years, 4(3-2)
ANS 461.
Genetic and biological factors affecting economic characteristics including egg production, egg size, hatchability, growth and viability and factors involved in the hatching of eggs.