
USC School of Policy, Planning, and Development



The USC School of Policy, Planning, and Development, ranked seventh by U.S. News & World Report's America's Best Graduate Schools (2005), offers students the opportunity to engage in research and work closely with faculty members such as Professor Niraj Verma, director of doctoral programs and an expert in planning and management theory.

The mission of the School of Policy, Planning, and Development is to educate leaders and create knowledge for innovative governance and place-based solutions for the betterment of communities worldwide. The school cultivates its students to become these leaders – the ethical men and women who build our communities, reshape our governmental structures and processes, and rethink the relationships among government, citizens and business. The school accomplishes this in three important ways: teaching that prepares students to lead, shape and manage in the 21st century world order; research that draws on and contributes to Southern California, the state, nation and world; and action that yields insights and offers solutions to pressing societal problems.

The school combines the strengths of several fields in one professional school to address the dynamic interests of the public, private and nonprofit sectors. Our faculty, students and alumni address policy issues of regional, state, national and international importance in public management, public policy, health care, immigration, transportation, real estate and economic development, urban and regional planning, and the quality of both social and physical environments.

The policy, planning and development programs are among the most diverse and wide-ranging in higher education. This is made possible by the broad interests of the school's faculty, its linkages to other faculty on campus, the diversity of students, the variety of course formats and venues, and the many degree options and specializations available to graduate and undergraduate students. Students at the School of Policy, Planning, and Development will experience a wide array of traditional and emerging fields of knowledge, develop appropriate professional skills, engage their personal values and ethical choices, and recognize the core principles from several scholarly disciplines and how they are best applied in professional and scholarly pursuits.

Ralph and Goldy Lewis Hall 312
 (213) 740-0350
 FAX: (213) 740-5379
 Email: aporter@usc.edu
www.usc.edu/schools/sppd/

Administration

Dan Mazmanian, Ph.D., *Dean*

Detlof von Winterfeldt, Ph.D., *Deputy Dean, Research and Faculty*

Regina T. Nordahl, J.D., M.B.A., SPHR,
Associate Dean, Administration

Carol A. Rush, M.P.A., *Associate Dean, Student Affairs*

Kristi Wallace, *Associate Dean, Development and External Relations*

Richard F. Callahan, D.P.A., *Associate Dean for State Capital and Leadership Programs, USC State Capital Center*

Faculty

C. Erwin and Ione L. Piper Dean's Chair:
 Dan Mazmanian, Ph.D.

Wallis Annenberg Chair in Communication and Technology: Manuel Castells, Ph.D. (*Communication*)

Judith and John Bedrosian Chair in Governance:
 Dan Mazmanian, Ph.D.

Blue Cross of California Chair in Health Care Finance: Glenn A. Melnick, Ph.D.

James Irvine Chair in Urban and Regional Planning: Tridib Banerjee, Ph.D., AICP*

James Irvine Chair in Urban and Regional Planning: Harry W. Richardson, M.A. (*Economics*)

Lusk Chair in Real Estate: Stuart Gabriel, Ph.D. (*Business*)

Emery Evans Olson Chair in Nonprofit Entrepreneurship and Public Policy: James M. Ferris, Ph.D.

Maria B. Crutcher Professorship in Citizenship and Democratic Values: Terry L. Cooper, Ph.D.

Frances R. and John J. Duggan Distinguished Professorship in Public Administration: Chester A. Newland, Ph.D.*

Professors: Gerald Caiden, Ph.D.*; Ann Crigler, Ph.D. (*Political Science*); Michael Dear, Ph.D. (*Geography*); William Dutton, Ph.D. (*Communication*); Peter Gordon, Ph.D. (*Economics*); Howard Greenwald, Ph.D.; Genevieve Giuliano, Ph.D.; Elizabeth Graddy, Ph.D.*; Robert Harris (*Architecture*);

Eric Heikkila, Ph.D.; Sheldon Kaminecki, Ph.D. (*Political Science*); Alan Kreditor, M.C.P., AICP; Martin Krieger, Ph.D.; David Lopez-Lee, Ph.D.; Jacquelyn McCroskey, Ph.D. (*Social Work*); James Moore II, Ph.D. (*Engineering*); Dowell Myers, Ph.D.; Robert C. Myrtle, D.P.A.*; Harry Pachon, Ph.D.; Jane Pisano, Ph.D.; Jon Pynoos, Ph.D. (*Gerontology*); David Sloane, Ph.D.; Richard A. Sundeen, Ph.D.*; Shui Yan Tang, Ph.D.*; Detlof von Winterfeldt, Ph.D.; Joseph S. Wholey, Ph.D.; Priscilla Wohlstetter, Ph.D. (*Education*); Jennifer Wolch, Ph.D. (*Geography*)

Associate Professors: Raphael Bostic, Ph.D.; Catherine G. Burke, Ph.D.; Yongheng Deng, Ph.D. (*Business*); Greg Hise, Ph.D.; Phoebe Liebig, Ph.D. (*Gerontology*); Jeffrey S. McCombs, Ph.D. (*Pharmacy*); Juliet Musso, Ph.D.*; Michael Nichol, Ph.D. (*Pharmacy*); Gary Painter, Ph.D.; Peter Robertson Ph.D.*; Niraj Verma, Ph.D.; Kathleen Wilber, Ph.D. (*Gerontology*)

University Professor: Kevin Starr, Ph.D. (*History*)

Assistant Professors: Clara Irazabal, Ph.D.; Michael Moody, Ph.D.; Christian Redfearn, Ph.D.; Jeffrey Sellers, Ph.D. (*Political Science*); Vivian Wu, Ph.D.; Susan Webb Yackee, Ph.D.

Distinguished Practitioners: Marvin Braude, Honorary Doctorate; Keith Comrie, M.S.P.A.

Senior Fellows: David Chernof, M.D. (*Physician in Residence*); Peter Ratican, B.S. (*Executive in Residence*); Stan Ross, Honorary J.D. (*Executive in Residence*)

Senior Scholars: William B. Fulton, Ph.D.; Sherry Bebitch Jeffe, Ph.D.; Walter Zelman, Ph.D.

Research Professor: Christopher Wear

Adjunct Professors: Jonathan Brown, D.P.A.; Garrett Capune, Ph.D.; Charles Cicchetti, Ph.D.; Michael R. Cousineau, Dr.PH.; David Dale-Johnson, Ph.D.; Hugh Evans, Ph.D.; Stanley Iezman, J.D.; Michael Keston, M.B.A.; Dora Kingsley, D.P.A.; Kenneth Kizer, M.D.; Allan Kotin, M.A.; Koichi Mera, Ph.D.; Ira Norris; Willard Price, Ph.D.; James J. Smith, M.R.E.D.; Richard Smith, J.D.; Frank Wein, D.P.D.S., AICP; David Wilcox, M.C.P.

Adjunct Associate Professors: Austin Anderson, M.B.A.; Robert Champion, M.R.E.D.; Ali Farahani, Ph.D.; Richard Heller, Ph.D., J.D.; Thomas Higgins, Ph.D.; Bryan Jackson, J.D.; Patrick Kapsner, M.P.A., FACMPE; Catherine Kay, J.D.; Steven Kellenberg; Ehud Mouchly, M.A.; Mark Pisano, J.D.; Shahab Rabbani, D.P.D.S.; Maurice Rahimi,

Ph.D.; John Redfern, M.P.P.; Robert Smythe, B.S.; Deborah Torres, M.Arch.; Ashgar Zomorrodian, Ph.D.

Adjunct Assistant Professors: Pauline Arneberg, Ph.D.; Kenneth Beck, MRED; Lori Howard, Ph.D.; Tomson Ong, Ph.D., J.D.; Francis Pereira, Ph.D.; Johannes Van Tilburg, FAIA; Frank Wein, D.P.D.S.AICP

Clinical Professors: Lois Green, M.H.S.A.; Patrick G. Hays, M.H.A.; Leonard Mitchell, M.A., M.B.A., J.D.; Bruce Noda, M.A.; John Steinhilber, L.L.D.

Clinical Associate Professors: Jeffrey Green, M.H.A.; LaVonna B. Lewis, Ph.D.; Arthur S. Shorr, M.B.A.

Clinical Assistant Professors: Michael Carter, M.P.H.; Jeffrey Schaffer, M.P.A.; Chris Van Gorder, M.P.A.

Visiting Faculty: Desmond Saunders-Newton, Ph.D.

Lecturers: Bruce Baltin; David Brown; John Condas; Terri Dickerhoff; Melissa Gaeke; Richard Garcia; Dikla Gavrieli; Mark L. Harris; Daniel Haverty; Christopher Hecker; Karen Hennigan; Helmi Hisserich; Katherine Hourichi; Robert Ingenito; Daniel R. Jordan; Aydan Kutay; Bernie C. LaForteza; Barry Landreth; Charlie Lane; Ferdinand Lewis; Jane Arnold Lincove; Vincent Maher; Pete Manzo; Marie McQueen; Carl F. Meyer; James M. Moore; Donald Murray; John Nicoll; Regina Nordahl; Mark Oliver; John G. Raffoul; Ron Remsburg; John Richard; David Robbins; Ben Rosenbloom; Hae Rae Shin; Arthur Shorr; Jeffrey Smith; Helene Smookler; Neil Sorrentino; Erroll Southers; Victoria Valentine; Jonathan Van Speier; Ashwani Vasishth; Mark Velez; Christopher Wear; Joseph Edward White; Chris Wilson; Jack L. Wong; Asadollah Yavari; Diane Yoder; Zhou Yu; Henry Zaretsky

Emeritus Professors: William C. Baer, Ph.D., AICP; Robert Biller, Ph.D.; Edward Blakely, Ph.D.; Melville C. Branch, Ph.D.; Robert M. Carter, D.Crim.; T. Ross Clayton, Ph.D.; Houston Flournoy, Ph.D.; Lois Friss, Dr.PH.; John Gerletti, Ed.D.; David Mars, Ph.D.; Alexander McEachern, M.A.; E.K. Nelson, D.P.A.; Francine Rabinovitz, Ph.D., AICP; Warren Schmidt, Ph.D.; Gilbert Siegel, Ph.D.; Robert Stallings, Ph.D.; William B. Storm, Ph.D.; Robert E. Tranquada, M.D.; William J. Williams, D.P.A.; Lowdon Wingo, Jr., M.A., M.P.A.

Emeritus Associate Professor: Wesley E. Bjur, Ph.D.

*Recipient of university-wide or school teaching award.

Degrees Offered

The School of Policy, Planning, and Development offers the following degrees:

- Bachelor of Science in Public Policy, Management and Planning
- Master of Health Administration
- Executive Master of Health Administration
- Master of Public Policy and Management
- Master of Planning
- Master of Planning and Development Studies
- Master of Public Administration
- Master of Public Policy
- Master of Real Estate Development
- Master of Construction Management (with Architecture, Business and Engineering)
- Doctor of Philosophy in Policy, Planning, and Development
- Doctor of Planning and Development Studies

The Bachelor of Science and the Master of Planning are also offered jointly as an accelerated five-year program and the school participates in the following interdisciplinary minors:

- Children and Families in Urban America
- Construction Planning and Management
- Environmental Planning and Development
- Health Policy and Management
- International Policy and Management
- International Urban Development
- Law and Public Policy
- Public Management
- Public Policy
- Planning and Development
- Urban Neighborhood Studies
- Urban Policy and Planning

The Master of Planning is offered as a dual master's degree with programs in architecture, landscape architecture, business administration, economics, gerontology, international relations, public administration, public art studies, real estate development and social work.

The Master of Public Administration is offered as a dual master's degree with programs in planning, gerontology, international relations, Jewish communal service, law and social work.

The Master of Real Estate Development is offered as a dual degree with the Master of Business Administration, Juris Doctor and Master of Planning.

The Master of Health Administration is offered as a dual degree with the Master of Science in Gerontology.

The Master of Public Policy is offered as a dual degree with the USC Gould School of Law.

National Honor Societies*Pi Alpha Alpha*

Pi Alpha Alpha is the national honor society for public affairs and administration. Graduate students in the School of Policy, Planning, and Development who have completed at least 18 semester units and have earned a 3.7 grade point average are eligible for membership.

Pi Sigma Alpha

Pi Sigma Alpha is the national honor society for students in public administration, political science, and international relations. Students who have completed at least three courses from among these fields and have earned at least a 3.5 grade point average are eligible to apply.

Undergraduate Degree

The USC School of Policy, Planning, and Development offers the Bachelor of Science in Public Policy, Management and Planning. The school also offers 12 minors: children and families in urban America, construction planning and management, environmental planning and development, health policy and management, international policy and management, international urban development, law and public policy, public management, public policy, planning and development, urban neighborhood studies, and urban policy and planning.

Admission

Transfer students may indicate their desire to declare public policy, management and planning as a major on their university application. Students enrolled at USC wishing to declare public policy, management and planning must be in good academic standing.

Advisement

Students must discuss courses of study with the appropriate undergraduate advisors throughout their college enrollment and need to develop their own individual programs with faculty and staff advisors at the time of first enrollment and throughout their college careers.

Bachelor of Science in Public Policy, Management and Planning

The Bachelor of Science in Public Policy, Management and Planning provides a broad interdisciplinary and preprofessional education for students interested in the analysis of and solutions to society's contemporary political, social and economic problems. It includes a set of core courses designed to introduce students to:

- The fields of public policy, public management, and urban planning and development.
- Analytic and research tools, including economics for public policy and planning, public policy and planning analysis, statistics, urban design and applied field research.
- Key foundational themes cutting across the fields including: the role of citizenship; issues in public ethics; the relationship between government, business and the nonprofit sector; the role of urban place; and strategies of urban problem solving.
- Professional careers and roles through an internship.

Students have the opportunity to pursue greater specialization and depth by completing five courses in one of four tracks that represent the academic strengths of the School of Policy, Planning, and Development, including:

- public policy processes, issues and areas
- managing public organizations
- health policy and management
- urban planning and development

Students are able to complete their study of policy, management and planning while having sufficient opportunity through electives to pursue other interests, including a minor, a second bachelor's degree or further specialization in their major.

Students with an overall GPA of 3.0 and a major GPA of 3.5 by the end of the junior year are eligible to enroll in a senior honors seminar.

Careers in Public Policy, Management and Planning

Graduates receive preparation for a variety of entry level professional positions in the public sector, in not-for-profit agencies and for-profit companies involved with public policy concerns or urban planning and development. Graduates are also prepared for law school and related careers in law, as well as for graduate work in such fields as policy analysis, business and public administration, urban planning, real estate development, health services administration, gerontology and social work.

General Education Requirements

The university's general education program provides a coherent, integrated introduction to the breadth of knowledge you will need to consider yourself (and to be considered by other people) a generally well-educated person. This program requires six courses in different categories, plus writing and diversity requirements, which together comprise the USC Core. See pages 60 and 219 for more information.

Pre-major Requirements (12 units)

Math/Computer Languages

MATH 108 or MATH 116 or higher (4)

Economics

ECON 203 Microeconomics (4) and ECON 205 Macroeconomics (4)

General Electives (30 units)

Public Policy, Management and Planning Core Courses

CORE COURSES (30 UNITS)		UNITS
PPD 225	Public Policy and Management (gateway course)	4
PPD 227	Urban Planning and Development (gateway course)	4
PPD 240	Citizenship and Public Ethics	4
PPD 245	The Urban Context for Policy and Planning	4
PPD 357	Government and Business	4
PPD 401	Public Policy, Management and Planning Practices: Internship Seminar	2
PPD 404x	Statistics for Policy, Planning and Development	4
PPD 473	Public Policy and Planning Analysis	4

Tracks

Students select one track for degree emphasis; they take 20 units (five courses) from the track selected.

PUBLIC POLICY AREAS AND ISSUES		UNITS
PPD 313	Finance of the Public Sector	4
PPD 342	Crime and Public Policy	4
PPD 343	Terrorism, Homeland Security, and Public Policy	4
PPD 350	Urban Institutions and Policies	4
PPD 352	Los Angeles Mini Semester	4
PPD 360	Urban Transportation Planning and Policy	4

PPD 371	The Nonprofit Sector and the Public Interest	4
PPD 372	Public Service in an Urban Setting	4
PPD 382	International Development	4
PPD 439	Housing and Community Development	4
PPD 461	Sustainability Planning	4
PPD 476	Politics and Administration	4
PPD 485	U.S. Immigration Policy	4

PUBLIC MANAGEMENT		UNITS
PPD 313	Finance of the Public Sector	4
PPD 316	Human Resource Management for Public Organizations	4
PPD 318	Financial Accounting in Public and Nonprofit Organizations	4
PPD 320	Organizational Behavior in Public Administration	4
PPD 343	Terrorism, Homeland Security, and Public Policy	4
PPD 382	International Development	4
PPD 402	Management of Public and Nonprofit Organizations	4
PPD 403	Management Analysis	4
PPD 407	Financial Management of Public and Nonprofit Organizations	4
PPD 409	Training and the Applied Behavioral Science	4
PPD 476	Politics and Administration	4

HEALTH POLICY AND MANAGEMENT		UNITS
PPD 230	Introduction to Health Policy and Management	4
PPD 318	Financial Accounting in Public and Nonprofit Organizations	4
PPD 330	Introduction to Health Care Systems	4
PPD 407	Financial Management of Public and Nonprofit Organizations	4
PPD 413	Administration of Health Care Organizations	4

URBAN PLANNING AND DEVELOPMENT		UNITS
Required courses:		
PPD 306	Visual Methods in Policy, Management, Planning, and Development	4
PPD 358	Urban and Regional Economics	4
PPD 417	History of Planning and Development	4
PPD 461	Sustainability Planning	4

Electives (select one):

PPD 343	Terrorism, Homeland Security, and Public Policy	4
PPD 360	Urban Transportation Planning and Policy	4
PPD 362	Real Estate Fundamentals for Planning and Development	4
PPD 382	International Development	4
PPD 425	Designing Livable Communities	4
PPD 435	Analyzing Real Estate Markets for Planning and Development	4
PPD 439	Housing and Community Development	4

The faculty director of the undergraduate program may approve students' petitions to substitute or mix track classes if based on an appropriate academic/career rationale.

PPD 498 Senior Honors Seminar (4 units) may substitute for a track course.

Students taking the Washington semester may fulfill their internship requirements in lieu of PPD 401 and 8 units of their track requirement.

Internships

Public Policy, Management and Planning majors are required to complete at least one internship by enrolling in PPD 401 Public Policy, Management and Planning Practices: Internship Seminar or the Washington, D.C.,

Semester internship. Internships are matched as closely as possible to the student's interests and skills.

PPD 401 and the internship in a position provide numerous opportunities to develop and formulate future career goals, as well as to gain personal and professional experience while completing the undergraduate degree.

Semester Programs

The 8-unit and 16-unit semester programs allow the student to benefit from both traditional and experiential learning modes and to become involved in a particular area of professional activity.

Los Angeles Mini Semester

The Los Angeles Mini Semester program provides opportunities to study and experience metropolitan Los Angeles, its many diverse communities, and its centers of power, influence and tradition.

The Los Angeles Mini Semester is offered as an 8-unit program and consists of the urban foundation and the seminar.

The urban foundation provides an orientation to the study of urban affairs and serves as a conceptual framework for all other Los Angeles Mini Semester activities. Students may fulfill the university diversity requirement by completing the urban foundation.

The seminar offers an in-depth, behind-the-scenes look at a specific urban issue. Typical seminar topics are housing, transportation, health care, education, or a particular neighborhood in Los Angeles.

Washington, D.C., Semester

The Washington, D.C., Semester program provides an intensive semester of confrontation with the political center of the nation and its complex components. The program offers opportunities for behind-the-scenes work in national government agencies and related organizations, combined with an academic environment and the chance to explore, share and learn with a group of fellow students. This program is administered by American University. Information may be obtained regarding the program in RGL 111.

Sacramento Semester

The Sacramento Semester is offered occasionally as a 16-unit program and, in the summer only, as an 8-unit program. The 16-unit program has four components — seminar, field experiences, independent study and an internship; the 8-unit program consists of the seminar and the internship.

Bachelor of Science in Public Policy, Management and Planning and Master of Planning

Students who have demonstrated exceptional academic success have the opportunity to earn both bachelor's and master's degrees in an accelerated degree program. This program allows students to earn both degrees in five years.

Admission

Admission is available at the freshman or transfer level. Students currently enrolled in the Bachelor of Science in Public Policy, Management, and Planning program must apply for admission to the combined degree program no later than their junior year.

General Education Requirements

The university's general education program provides a coherent, integrated introduction to the breadth of knowledge you will need to consider yourself (and to be considered by other people) a generally well-educated person. This program requires six courses in different categories, plus writing and diversity

requirements, which together comprise the USC Core. See pages 60 and 219 for more information.

Pre-major Requirements (12 units)

Math/Computer Languages
MATH 108 or MATH 116 or higher (4)

Economics

ECON 203 Microeconomics (4) and ECON 205 Macroeconomics (4)

General Electives (24 units)

Public Policy, Management and Planning Core Courses

CORE COURSES (24 UNITS)		UNITS
PPD 225	Public Policy and Management (gateway course)	4
PPD 227	Urban Planning and Development (gateway course)	4

PPD 240	Citizenship and Public Ethics	4
PPD 245	The Urban Context for Policy and Planning	4
PPD 357	Government and Business	4
PPD 473	Public Policy and Planning Analysis	4

URBAN PLANNING AND DEVELOPMENT TRACK (20 UNITS)

URBAN PLANNING AND DEVELOPMENT TRACK (20 UNITS)		UNITS
Required courses:		
PPD 306	Visual Methods in Policy, Management, Planning, and Development	4
PPD 358	Urban and Regional Economics	4
PPD 417	History of Planning and Development	4
PPD 461	Sustainability Planning	4

Electives (select one):

PPD 343	Terrorism, Homeland Security, and Public Policy	4	PPD 527	The Social Context of Planning	2
PPD 360	Urban Transportation Planning and Policy	4	PPD 528	The Urban Economy	2
PPD 362	Real Estate Fundamentals for Planning and Development	4	PPD 529	Legal Environment of Planning	2
PPD 382	International Development	4	<i>Specialization Methodology</i>		
PPD 425	Designing Livable Communities	4	Students select a 4-unit methodology specialization from the list in the Master of Planning description.		
PPD 435	Analyzing Real Estate Markets for Planning and Development	4	<i>Laboratory</i>		
PPD 439	Housing and Community Development	4	PPD 531L	Core Laboratory Workshop, or	
			PPD 532L	International Planning and Development Laboratory Workshop	8

PPD 498 Senior Honors Seminar (4 units) may substitute for one elective in a track course.

Graduate Course Requirements

CORE (16 UNITS)		UNITS
PPD 500	Cross-Sectoral Governance	4
PPD 524	Planning Theory	2
PPD 525	Statistics and Arguing from Data	2
PPD 526	Comparative International Development	2

Electives

Elective courses to total 16 units of which at least 8 must come from the School of Policy, Planning, and Development.

Awarding of Degrees

The Bachelor of Science and Master of Planning will be awarded simultaneously upon completion of all degree requirements. Students who elect not to complete the master's, must complete 128 units to earn the bachelor's degree, including 48 units of upper division PPD course work (including any graduate PPD classes).

Time Limits

All requirements for the Bachelor of Science and Master of Planning must be completed within seven years from the semester of admission. If not completed within that time, students will no longer be eligible for the master's degree but may still earn the bachelor's.

Comprehensive Examination

Successful completion of a comprehensive written and oral examination is required if the candidate is also seeking a master's degree in planning. For specific policies, refer to the Master of Planning description.

Internship

All students must complete 400 hours of an internship. For specific policies, refer to the Master of Planning description.

Transfer of Credits

Graduate courses will not be accepted for transfer credit. Undergraduate classes may be transferred in accordance with university guidelines.

Bachelor of Arts in Environmental Studies: Public Policy and Management

A wide range of USC undergraduates will enter professional and business positions in which issues related to environmental public policy and management will play an important role. This degree offers students the opportunity to study the growing professional

field of environmental studies. The major combines a strong scientific foundation with professional courses in public policy and management and with electives from a variety of academic programs at USC. See

Environmental Studies (page 301) for course requirements.

Minor Programs

Minor in Children and Families in Urban America

What's happening to children and families in urban America? Students will examine changing demographics, economics, and cultures and the challenges of building communities that support families. They will assess innovative ways to improve access to and utilization of human services, including inter-professional practice, integrated services and community-based initiatives. Analysis of current social policies and policy reform initiatives will provide a framework for students who want to help improve student outcomes for children and families.

This minor includes courses from social work, planning, psychology, communication, education and other academic areas. It requires 22 units. See the USC School of Social Work section (page 835) for course requirements.

Minor in Construction Planning and Management

This program covers the most current theories and practice of construction planning and management. The program provides a valuable adjunct credential to professional school students pursuing careers in business administration, public administration, environmental studies, and other areas; and a unique opportunity for professional focus to

students in the USC College of Letters, Arts and Sciences.

Construction activities are complex. In contemporary society, effective planning and management of these activities requires specialized knowledge of the technical, economic and political environment. This program couples the knowledge of how construction activities are organized with a broader understanding of the urban system in which construction projects are embedded. With the exception of statistics, all of the required courses are within the Department of Civil Engineering and the School of Policy, Planning, and Development.

Any USC undergraduate who has completed the equivalent of two full-time semesters in good standing is eligible to pursue the minor program. This minor program is rigorous enough to serve as an introductory credential for students subsequently electing to pursue advanced studies in development, urban planning, construction management or allied fields.

See the Department of Civil Engineering (page 555) for course requirements.

Minor in Environmental Planning and Development

A wide range of USC undergraduates will enter professional and business positions in which issues related to environmental planning will play an important role. This minor offers students the opportunity to study the growing professional field of environmental planning. The minor combines a strong scientific foundation with professional courses in planning and development and with electives from a variety of academic programs at USC. It requires 32 units. See Environmental Studies (page 305) for course requirements.

Minor in Health Policy and Management

This 24-unit minor in health policy and management provides students with a background in the institutions, policy and management issues in the field of health care and the skills necessary to pursue a range of health-related management and/or policy opportunities in the for-profit, non-profit and governmental sectors. This minor is appropriate for students interested in pursuing careers in the health care field, especially students majoring in pre-health services fields, business, gerontology or the social sciences.

REQUIRED COURSES		UNITS
PPD 230	Introduction to Health Policy and Management (gateway course)	4
PPD 330	Introduction to Health Care Systems	4
PPD 413	Administration of Health Care Organizations	4
ELECTIVES		UNITS

Choose three courses from one of the two tracks:

Health Issues Track

ECON 472*	Economics of Medical Care	4
GERO 416	Health Issues in Aging	4
GERO 421	Managed Care for an Aging Society	4
HP 412	Health Promotion and Prevention Policy	4
HP 420	Gender and Minority Health Issues	4
HP 422	AIDS in Society	4
SOCI 475	Medical Sociology	4

Health Management Track

ECON 472*	Economics of Medical Care	4
PPD 316	Human Resource Management for Public Organizations	4
PPD 318	Financial Accounting in Public and Nonprofit Organizations	4
PPD 320	Organizational Behavior in Public Administration	4
PPD 407**	Financial Management of Public and Nonprofit Organizations	4

*Prerequisite: ECON 303

**Prerequisite: PPD 318

Minor in International Policy and Management

The minor in international policy and management brings together courses from the School of International Relations, dealing with the new global challenges, specific regions of the world, and international organizations and policies, and the School of Policy, Planning, and Development, dealing with core management skills and public policy processes. Students will examine the changes and challenges which are transforming the world, and the policy and management skills used to deal with them. To increase their understanding of the context and application of these concepts, students must complete a semester-long internship either in Washington, D.C. (through participation in the Washington, D.C. semester program) or in Los Angeles with an organization that has an international focus.

Students minoring in international policy and management take three courses in international relations, including the gateway course, IR 305 Managing New Global Challenges; three courses in public policy and management; and an approved internship from either the School of International Relations (IR 491 Field Study) or from the School of Policy, Planning, and Development (PPD 401 Public Policy, Management, and Planning Practices: Internship Seminar). For additional course information, see International Relations (page 342).

Minor in International Urban Development

As the world shrinks, students are increasingly working in a global environment. Even those who are employed in the United States find the world a competitor, employees from around the world and customers of all nationalities. This minor addresses the needs of these students by introducing them to relevant urban, economic and social policy issues as they are framed in international settings.

The minor is open to all students except majors in international relations and urban planning and development. The minor is designed for students who wish to either work in the international arena or who expect that their professional careers will be affected by activities in that arena. Students should sign up for the minor in the International Relations student affairs office.

See International Relations (page 342) for course requirements.

Minor in Law and Public Policy

The minor in law and public policy draws upon four fields of study: public policy and management, law, economics and political science. It provides students with an understanding of the political and economic contexts in which laws are made as well as how legal institutions shape policy formulation. Students learn to analyze the consequences of policy and alternatives; the roles played by government, business and nonprofit organizations in public decision making; and the legal bases for various areas of public policy.

Students minoring in law and public policy take six required courses, including the gateway class, PPD 225 Public Policy and Management, and one elective. The latter enables the student to focus on a specific area of law.

REQUIRED COURSES		UNITS
ECON 203	Principles of Microeconomics	4
LAW 200x	Law and Society	4
POSC 340	Constitutional Law	4
PPD 225	Public Policy and Management	4
PPD 404x	Statistics for Policy, Planning, and Development	4
PPD 473*	Public Policy and Planning Analysis	4

And one of the following:

BUAD 403	Legal Environment of Business	4
ECON 434	Economic Analysis of Law	4
POSC 345	International Law	4
POSC 347	Environmental Law	4
POSC 432	The Politics of Local Criminal Justice	4
POSC 440	Comparative Law and the Judicial Process	4
POSC 441	Cultural Diversity and the Law	4
POSC 444	Civil and Political Rights and Liberties	4
POSC 452	Critical Issues in Law and Public Policy	4

*Prerequisite: ECON 203, PPD 225, PPD 404x

Minor in Public Management

The 24-unit minor in public management provides the student with a basic introduction to management in the context of a public or nonprofit organization, an understanding of central managerial skills in accounting, financial management and human behavior, and the opportunity to choose between a general or human resource management elective track. This minor is appropriate for College of Letters, Arts and Sciences or professional school students planning to enter management level positions.

REQUIRED COURSES		UNITS
PPD 318	Financial Accounting in Public and Nonprofit Organizations	4
PPD 320	Organizational Behavior in Public Administration	4
PPD 402	Management of Public and Nonprofit Organizations	4
PPD 407*	Financial Management of Public and Nonprofit Organizations	4

*Prerequisite: PPD 318

PUBLIC MANAGEMENT ELECTIVES		UNITS
Choose two courses from one of the following tracks:		
<i>Management</i>		
PPD 403	Management Analysis I	4
PPD 476	Politics and Administration	4
PPD 482	Comparative Public Administration	4
<i>Human Resources</i>		
PPD 316	Human Resource Management for Public Organizations	4
PPD 409	Training and the Applied Behavioral Science	4

Minor in Public Policy

This minor prepares students to understand the context, theory, formulation, analysis and implementation of public policy and allow them to choose two policy areas to apply their knowledge. The minor complements majors in fields such as sociology, economics, political science, history and gerontology.

REQUIRED COURSES		UNITS
ECON 203	Principles of Microeconomics	4
PPD 225	Public Policy and Management	4
PPD 404x	Statistics for Policy, Planning, and Development	4
PPD 473*	Public Policy and Planning Analysis	4

Public Policy Electives

CHOOSE TWO COURSES FROM THE FOLLOWING:		UNITS
GERO 451	Policy and Program Development in Aging	4
POSC 347	Environmental Law	4
PPD 313**	Finance of the Public Sector	4
PPD 330	Introduction to Health Care Systems	4
PPD 342	Crime and Public Policy	4
PPD 350	Urban Institutions and Policies	4
PPD 357**	Government and Business	
PPD 360	Urban Transportation Planning and Policy	4
PPD 371	Nonprofit Sector and the Public Interest	4
PPD 439	Housing and Community Development	4
PPD 476	Politics and Administration	4

*Prerequisite: ECON 203, PPD 225, PPD 404x

**Prerequisite: ECON 203

Minor in Planning and Development

The minor in planning and development is an excellent complement to undergraduate study in a variety of fields. Insight into the planning and development process can broaden career choices and deepen understanding of allied major programs. Students majoring in American studies and ethnicity, economics, business administration, architecture, geography, gerontology, international relations, journalism and social work, to name a few, would gain from the cross-disciplinary perspective this minor provides.

Admission Requirements

A GPA of at least 2.0 and a grade of B or better in PPD 100 or PPD 250.

Curriculum Requirements

To earn the minor, students must complete a total of 24 units.

COURSE REQUIREMENTS		UNITS
PPD 100	Los Angeles: The Enduring Pueblo, or Third World Cities	4
PPD 250	Urban Planning and Development	4
PPD 227	Visual Methods in Policy, Management, Planning and Development	4
PPD 306	Urban and Regional Economics	4
PPD 358	History of Planning and Development	4
PPD 417		4

Choose one course from the following list of specialized courses:

PPD 360	Transportation Planning and Policy	4
PPD 362	Real Estate Fundamentals for Planning and Development	4
PPD 382	International Development	4
PPD 425	Designing Livable Communities	4
PPD 439	Housing and Community Development	4
PPD 461	Sustainability Planning	4

Minor in Urban Neighborhood Studies

The focus of this minor is on the quality of urban life at the scale of the neighborhood or district. This is the location of the places of residence and work, of education and religion, of everyday life. Neighborhoods are the fundamental building blocks of cities.

The minor is supported by the four "urban schools" of USC: Architecture, Education, Social Work, and Policy, Planning, and Development. The core studies are "hands-on" as a practicum in learning about neighborhoods and learning how the disciplines of the four schools provide the means for understanding and treating urban issues. The core courses are team taught by faculty from the collaborating schools.

See Interdisciplinary Programs, page 103, for course requirements.

Minor in Urban Policy and Planning

The minor in Urban Policy and Planning focuses on the application of public policy, urban planning and public management to the analysis and solution of urban problems. It draws upon the interdisciplinary faculty and programs of the School of Policy, Planning, and Development and includes foundational courses that introduce students to the nature of urban phenomena and the analysis and solution of urban problems. The minor also introduces students to the professional and academic fields of either urban planning and development or public policy and public management. Additionally, based on their specific interests, students have the opportunity to explore in greater depth three areas and approaches of urban problem-solving. This minor is appropriate for students interested in expanding their understanding of the fields of urban planning and public policy and management as potential professional careers as well as increasing their comprehension of the analysis and solution of urban problems.

REQUIRED COURSES (12 UNITS)	UNITS				
<i>Foundational Courses (8 units)</i>					
PPD 225	Public Policy and Management, or		PPD 371	The Nonprofit Sector and the Public Interest	4
PPD 227	Urban Planning and Development	4	PPD 372	Public Service in an Urban Setting	4
PPD 245	The Urban Context for Policy and Planning	4	PPD 425*	Designing Livable Communities	4
<i>Organizations in the Urban Context (4 units)</i>					
PPD 402	Management of Public and Nonprofit Organizations	4	PPD 439	Housing and Community Development	4
<i>Nonprofit/Voluntary Sector Approaches to Problem Solving</i>					
*Prerequisite: PPD 306					
EXAMPLES OF THREE-COURSE CLUSTERS					
<i>Real Estate/Housing</i>					
UNITS					
<i>Students select three courses from this list. They are encouraged through advisement to consider course clusters that reflect special interests. (See examples.)</i>					
PPD 342	Crime and Public Policy	4	PPD 362	Real Estate Fundamentals for Planning and Development	4
PPD 350	Urban Institutions and Policies	4	PPD 425	Designing Livable Communities	4
PPD 360	Urban Transportation Planning and Policy	4	PPD 435	Analyzing Real Estate Markets for Planning and Development, or	
PPD 362	Real Estate Fundamentals for Planning and Development	4	PPD 439	Housing and Community Development	4
<i>Sustainable Communities</i>					
PPD 360 Urban Transportation Planning and Policy 4					
PPD 425 Designing Livable Communities 4					
PPD 461 Sustainability Planning 4					
<i>Critical Urban Policy Issues (any three)</i>					
PPD 342 Crime and Public Policy 4					
PPD 350 Urban Institutions and Policies 4					
PPD 360 Urban Transportation Planning and Policy 4					
PPD 439 Housing and Community Development 4					

Aerospace Studies

Physical Education Building 112
(213) 740-2670

Administration

Richard MacIntosh, *Colonel, USAF*

Faculty

Professor: Richard MacIntosh, M.A. (*Colonel, USAF*)

Associate Professor: Craig Allen, M.S. (*Major, USAF*)

Assistant Professors: Nancy Koch-Castillo, M.A. (*Captain, USAF*); David Kruger, M.B.A. (*Captain, USAF*)

The Department of Aerospace Studies offers both four-year and two-year programs of instruction leading directly to commissioning as an officer in the United States Air Force. To obtain a commission, qualified students must pass an aptitude test and a physical examination, complete either program of instruction and concurrently receive an undergraduate or graduate degree. Credits earned in aerospace studies courses count as electives in all College of Letters, Arts and Sciences degree programs. Those students who qualify for and are selected to enter Air Force pilot

training will be given flight instruction. Qualified applicants may compete for Air Force scholarships. Scholarships may pay for full tuition, books and associated fees. See page 34 for additional scholarship information.

Students on scholarship must successfully complete a course in expository writing within two academic years. Students must also successfully complete a course in mathematical reasoning prior to commissioning.

Program Requirements

Four-Year Program

This program consists of eight semesters of aerospace studies courses (AEST 100ab through 400ab) plus a four-week summer field training course. Students enroll in the first four semesters of aerospace studies (AEST 100ab and 200ab) in the same manner as in any other course of instruction at USC. Application to enroll in the last four semesters (AEST 300ab and 400ab) must be made after completion of a summer field training course.

Two-Year Program

This program is available to any student having two academic years remaining at either the graduate or undergraduate level. The

program consists of a five-week summer field training course followed by four semesters of aerospace studies courses (AEST 300ab and 400ab). Application to this program should be made in the fall or early spring semester preceding the summer field training course.

Field Training Course

Field training is offered during the summer months at selected Air Force bases throughout the United States. Students in the four-year program participate in four weeks of field training, normally between their sophomore and junior years. Students applying for entry into the two-year program must successfully complete one week of field training prior to enrollment in AEST 300ab.

The major areas of study in the four-week field training course include junior officer training, aircraft and aircrew orientation, career orientation, survival training, base functions and Air Force environment, and physical training.

The major areas of study included in the five-week field training course are the same as those conducted at four-week field training and AEST 100ab and 200ab courses.

Military Science

Physical Education Building 110
(213) 740-4026

Administration

Kyle George, *Commander, U.S. Army*

Faculty

Professor/Commander: Kyle George, M.A.
(*Lieutenant Colonel, U.S. Army*)

Associate Professors: R. Jim Barclay, M.S.
(*Major, U.S. Army*); Gregory Meili, M.S.
(*Major, U.S. Army*); Angel Ortiz, M.A. (*Major,*
U.S. Army)

Assistant Professor: Lawrence Barton, Jr., B.A.
(*Major, U.S. Army*)

The Department of Military Science provides professional training for students leading to a commission, upon graduation, in the Active Army, Army Reserve or the Army National Guard. Through the Army Reserve Officers' Training Corps Program (AROTC), scholarship students receive up to \$29,400 in yearly benefits. Scholarships are available in all majors. Scholarships are also available for Guaranteed Reserve Forces Duty. Military Science instruction is focused on hands-on leadership development and the practical application of military skills needed to produce America's future leaders. Additionally, military science courses count as electives in many degree programs. MS 101 and MS 102 are open to students who are not enrolled in the program, but have an interest in leadership, management, military history or military training. Enrollment in the Army ROTC program is open to qualified full-time students.

Scholarship Program

The majority of Army ROTC cadets attend USC on Army scholarships. All Army scholarships are merit based and are not dependent on individual financial need.

Scholarships are available for both Active Duty and Guaranteed Reserve Forces Duty. Scholarships are awarded on a competitive basis to qualified applicants for two-, three- or four-year periods depending on the applicant's academic level and program of study. Scholarship cadets receive up to \$29,400 in yearly benefits.

Enrolled Cadets

Contracted scholarship and non-scholarship cadets can receive a monthly stipend of up to \$400 per month subsistence allowance. Contracted scholarship cadets receive an annual \$600 book allowance. All enrolled scholarship and non-scholarship cadets receive uniforms and military science textbooks from the department.

Four-Year Program

The four-year military science curriculum is designed to be part of the student's undergraduate degree program. During the freshman and sophomore years, students receive introductory instruction in the theory of warfare, military history, military leadership and basic military skills. Cadets participate during their junior and senior years in a professional development program with instruction in leadership, management, military justice and advanced military skills.

Three-Year Program

The three-year program is available to qualified sophomore undergraduate students. Students may compress the first two years of the ROTC program by attending two ROTC classes per semester during their sophomore year. Scholarships are available, on a competitive basis, for students with three years remaining toward the completion of their undergraduate degree. Transfer students who meet the same criteria are also eligible for scholarships. Upon acceptance, students then follow the military science program described for the four-year program.

Two-Year Program

The two-year program is available to qualified junior and senior undergraduate students and graduate students who have two years of academic work remaining. Veterans who have achieved junior academic status and meet enrollment criteria are also eligible for this program. Students may receive credit for the first two years of the ROTC program by attending the ROTC Leaders Training Course or by previous junior ROTC participation. Active duty, Army Reserve and Army National Guard scholarships are available, on a competitive basis, for students with two years remaining toward completion of their undergraduate degrees. Transfer students who meet the same criteria are also eligible for scholarships. Upon acceptance, students then follow the military science program described for junior and senior cadets in the four-year program.

Field Training

Several military training programs are available to qualified cadets. A five-week paid Leaders Training Course at Fort Knox, Kentucky, qualifies students for the two-year program. All cadets attend a 32-day paid ROTC National Advanced Leaders Course at Fort Lewis, Washington, after their junior year. This course provides practical application of advanced military and leadership skills required for commissioning.

Adventure Training

Qualified candidates may also receive training in Airborne school (parachuting), Air Assault school (rappelling from helicopters), Cadet Troop Leadership Training (training in Army units around the world) and in Northern Warfare school (Arctic survival).

Naval Science

Physical Education Building 101
(213) 740-2663

Administration

Steve Hubble, M.A. (*Colonel, U.S. Marine Corps*), *Commanding Officer*

Faculty

Professor: Steve Hubble, M.A. (*Colonel, U.S. Marine Corps*)

Associate Professor: Angus A. McColl, M.S.Ed., M.A. (*Commander, U.S. Navy*)

Assistant Professors: George Arnett, B.S. (*Lieutenant, U.S. Navy*); Russell W. Fusco, B.A. (*Lieutenant, U.S. Navy*); Michael Good, B.S. (*Lieutenant, U.S. Navy*); Eric Hamstra, B.A. (*Captain, U.S. Navy*); Samit K. Varma, B.S. (*Lieutenant, U.S. Navy*)

The Department of Naval Science provides professional training for students leading to a reserve commission, upon graduation, in the United States Navy or the United States Marine Corps. Through the Naval Reserve Officers' Training Corps Program (NROTC), scholarship students receive full tuition, fees, book stipend and \$250 to \$400 per month subsistence allowance. The university also provides an additional automatic scholarship of \$4,000 per year for each NROTC scholarship recipient. Non-scholarship students may apply to participate as members of the midshipman battalion with limited financial assistance, earning a reserve commission upon completion of the baccalaureate degree. Because of the rapid development of highly technical ship systems, aviation and other military equipment, science and engineering majors are highly desirable; however, Navy scholarships are currently available to students pursuing any major offered by the university, as long as they complete basic technical requirements. In addition to university requirements, midshipmen must complete 22 units of naval science courses, a physical fitness test and three summer cruises, each about four to eight weeks long. The department also conducts a sail training program for all midshipmen.

All naval science courses, from ship systems and management to naval operations and amphibious warfare, are open to students who are not in the program but have an interest in the Navy and related fields, such as engineering, navigation and naval operations, history and management.

Program Requirements

Scholarship Program

The majority of naval science students attend the university on Navy scholarships. Scholarships are awarded primarily on a four-year basis to high school seniors selected in nationwide competition. A two-year upper division scholarship program is also available with a similar selection process to students who have not yet begun their junior year in college. Applications for both types of scholarships are due by December 1 and March 1, respectively, each year. In addition to tuition and fees, books and uniforms, students receive subsistence allowance of \$250-\$400 per month. A scholarship student receives, upon graduation, a reserve commission in the U.S. Navy or U.S. Marine Corps and serves on active duty for a minimum of four years.

College Program

College program non-scholarship students are selected by the professor of naval science at the beginning of each academic year from among applicants of the freshman and sophomore classes. These students receive uniforms, naval science textbooks, and if selected for advanced standing, subsistence pay of \$150 per month in their junior and senior years. Upon graduation, a non-scholarship student receives a reserve commission in the U.S. Navy or U.S. Marine Corps, and serves on active duty for a minimum of three years. College Program students may be recommended for scholarship benefits based on superior academic performance and participation in NROTC.

Marine Corps Option

Highly motivated NROTC students may request designation as Marine Corps option students, and may also pursue any USC academic degree. Marine Corps option students are required to take NSC 135, NSC 137, NSC 343, NSC 392, NSC 453 and NSC 454. In addition, their final summer cruise involves intensive Marine training. Marine Corps option students also participate, on a limited basis, in field training exercises during the academic year.

Requirements for Commissioning

Students must meet USC degree requirements in their chosen fields and complete the prescribed naval science courses. In addition, scholarship students must include in their programs MATH 125 Calculus I and MATH 126 Calculus II and PHYS 151L Fundamentals of Physics I: Mechanics and Thermodynamics and PHYS 152L Fundamentals of Physics II: Electricity and Magnetism, and as electives in their academic programs, two semester courses in freshman/sophomore English, and one semester course in American military history and computer science. Non-scholarship students must include in their programs two semester courses in college algebra or higher mathematics, physical science, and English, and one semester course in computer science. Of these requirements, Marine Corps option students are only obligated to fulfill the American military history/national security policy requirement.

Graduate Degrees

Admission

Applicants for admission to the Master of Construction Management, Master of Health Administration, Executive Master of Health Administration, Master of Planning, Master of Planning and Development Studies, Master of Public Administration, Master of Public Policy, Master of Public Policy and Management, Master of Real Estate Development, Doctor of Planning and Development Studies, Doctor of Philosophy in Policy, Planning, and Development must have a bachelor's degree or its equivalent from an accredited educational institution. In recognition of the increasing diversity of capabilities required as the theories and practices of policy, planning, and development evolve, students from a variety of undergraduate and graduate backgrounds are encouraged to apply.

Applicants for admission will be expected to have completed a broad range of undergraduate courses in addition to their academic major or professional concentration. Generally, this will be reflected in completion of courses from the following fields: English; economics (basic theory); political science, history or sociology; physical or natural science; art or philosophy. In addition, mathematics (algebra, calculus, probability theory) and a course in statistics are strongly recommended.

Application for Admission

Admission to graduate programs in the School of Policy, Planning, and Development is highly selective and competitive. Preference is given to those with a record of high educational achievement and personal qualities favoring success in the fields of planning or development. Applicants must have achieved superior grades during undergraduate and any graduate education. A grade point average of at least 3.0 (A = 4.0) is normally expected as well as satisfactory scores on the Graduate Record Examinations (GRE). The GRE and GMAT are neither accepted nor required for the D.P.D.S. or executive M.H.A. programs. Students applying for admission to the Master of Planning, Master of Planning and Development Studies or the Master of Real Estate

Development program may also submit either the Graduate Management Administration Test (GMAT) or the Law School Admission Test (LSAT). Students applying to the Master of Construction Management program may submit either the GRE or the GMAT test. In exceptional cases, an applicant who has not met these scholarship requirements may be admitted with conditions of admission.

For specific information on admission requirements and application procedures, contact the School of Policy, Planning, and Development Student Affairs Office at (213) 740-6842. Master of Construction Management and Certificate in Transportation Systems applicants should apply to the School of Engineering. For additional information, contact the school at (213) 740-0587.

Transfer Credit

The Degree Progress Department determines whether work done elsewhere is available for consideration for credit toward the USC degree. That office requires official transcripts of all course work done before entering USC. A Graduate Transfer Credit Statement of these official transcripts, done after a student has been admitted to regular status at USC, will indicate which units are available for transfer. These courses do not apply toward the degree unless, and until, the student's major department approves and submits transfer credit to the Degree Progress Department in the Office of Academic Records and Registrar.

Application of any available transfer credits toward a graduate degree will be determined by the director of the particular degree program, based on the semester units available for transfer as shown on the Transfer Credit Statement.

These general guidelines are followed by the admissions evaluator and by faculty members: (1) the work must be completed at an accredited graduate school; (2) the grade must be B or better; (3) the work must be a fair and reasonable equivalent to current USC course work at the graduate level which

fits into the logical program for the degree; (4) the units are not more than seven years old at the time of admission to their master's program (or 10 years old for a doctoral program); (5) the units must reflect current knowledge in the field; and (6) the work must be completed prior to admission to the USC program.

USC does not give transfer credit for life experience, credit by examination, noncredit extension courses or thesis course supervision.

Please consult with your degree director before enrolling in courses outside of USC. In many of SPPD's master's degree programs, only courses taken outside of USC prior to admission may be applied to your degree.

Waiver of Course Content

The school recognizes that some applicants may have covered the material contained in core courses or courses required for a particular specialization. Under these circumstances, one particular course requirement may be waived, allowing the student to complete a more advanced course in the same area. Students who have a background in a particular area of study may be allowed to substitute other courses. In these situations students do not receive unit credit but are permitted to take course work which does not repeat earlier academic experiences.

Waiver of content is usually given only in the case of previous academic study of the subject, not in the case of experiential background in the area.

Students who believe they are eligible for content waiver decisions must petition the faculty of the school, providing evidence of the previous work through transcripts, syllabi and other pertinent material. Contact the school's Student Affairs Office for information.

Master of Health Administration

The School of Policy, Planning, and Development Programs in Health Management and Policy provide USC students interested in health policy and management of both the private and public health sectors with a wide range of degree options and course offerings not available elsewhere in the university. Two degree options include the Master of Health Administration and the Executive Master of Health Administration.

The Master of Health Administration (M.H.A.) prepares students for management positions in hospitals, managed care systems, physicians groups, ambulatory care systems, government agencies concerned with health care planning, delivery and quality assurance, and private firms involved in health care consulting, evaluation and finance. The curriculum aims at assuring sufficient knowledge of public, private and nonprofit sectors to permit effective functioning as a manager in each.

The M.H.A. degree is offered at the University Park campus and the USC State Capital Center.

Requirements for Admission

General

Applicants for the Master of Health Administration must apply separately to the Health Policy and Management Program. Applicants must have a bachelor's degree from an accredited college or university. Applicants may take courses on limited standing pending formal admission to the master's degree program.

Applicants with bachelor's degrees must have a minimum grade point average of 3.0 in their undergraduate course work and a score of at least 500 on the verbal and at least 500 on the quantitative sections of the GRE. Deviations from these minimums will be allowed when justified by exceptional work experience, letters of recommendation or improvement in academic performance during the third and fourth years of undergraduate study.

Prerequisites

Statistics

A basic competence in descriptive and inferential statistics is also required for the M.H.A. program. This prerequisite may be fulfilled by successfully completing the school's Statistics Competence Examination, or by successfully completing PPD 404x with a grade of C or higher (A = 4.0), which may not be used for graduate credit.

Accounting

A basic competence in accounting is also required for the M.H.A. program. This prerequisite may be fulfilled by successfully completing the school's Accounting Competence Examination, or by successfully completing PPD 516x Financial Accounting in the Public and Nonprofit Sectors with a grade of B or higher (A = 4.0), which is not available for credit to M.H.A. majors.

Economics

A basic competence in economics is also required for the M.H.A. program.

Limited Status Students (Preadmission)

Students taking courses who have not been admitted to the school are designated limited status students. These students may be waiting for part of their application package materials to arrive; or they may be investigating whether an M.H.A. may be right for them.

To be considered for limited status reenrollment, interested students need to complete the School of Policy, Planning, and Development Limited Student Application for Enrollment form and submit official or unofficial copies of their transcripts from their bachelor's degree granting institution. Students with a 3.0 grade point average (A = 4.0) may enroll in up to 8 units of graduate courses in the School of Policy, Planning, and Development.

School of Policy, Planning, and Development Limited Student Application for Enrollment forms may be obtained from the Admissions Office, School of Policy, Planning, and Development, University of Southern California, RGL 111, Los Angeles, CA 90089-0626, telephone (213) 740-6842. Limited students may only enroll during the in-person registration period (the week before classes begin).

Limited status students may apply only 8 units of appropriate graduate work toward the M.H.A. after admission. Units beyond these first 8 must be petitioned for through the school. Students on limited status are encouraged to complete the application and admission process before completing those first 8 units.

The Accelerated M.H.A. Program

The Health Management and Policy Program will admit a small number of undergraduates specializing in Health Policy and Administration in the School of Policy, Planning, and Development to the M.H.A. program after three years of undergraduate studies.

Applicants to the Accelerated M.H.A.

Program must be USC undergraduates specializing in Health Policy and Administration in the School of Policy, Planning, and Development. Applications will be considered only from those who have completed at least 80 units in the curriculum for this specialization. Students interested in the Accelerated M.H.A. Program must apply at the beginning of the second semester of their junior year. A cumulative grade point average of at least 3.2 (A = 4.0) will be required for consideration. In addition, applicants will submit a detailed essay specifying their goals and reasons for selecting the field of health service administration, as well as letters of recommendation from three instructors, at least two of whom must be full-time USC faculty members. Substantial importance, in the evaluation of applicants, will be placed on an interview procedure to be carried out by a full-time faculty member in the Health Services Administration Program and a practitioner in the health administration field who holds an adjunct appointment at USC. Academic promise, clarity of purpose and personal maturity will all weigh heavily in determining admission to the Accelerated M.H.A. Program.

Information regarding the Certificate Program in Health Services Administration can be found on page 805.

Curriculum

Curriculum for the M.H.A. includes 44 units (35 required units and 8 elective units). In addition, a supervised field placement (residency) in a health service organization is required.

REQUIRED CORE (36 UNITS)		UNITS
PPD 500	Cross-Sectoral Governance	4
PPD 509	Problems and Issues in the Health Field	4
PPD 510a	Financial Management of Health Services	4
PPD 511	Health Information Systems	2
PPD 513	Legal Issues in Health Care Delivery	4
PPD 514*	Economic Concepts Applied to Health	4
PPD 515	Strategic Management of Health Organizations (capstone course)	4
PPD 545	Human Behavior in Public Organizations	4

PPD 557	Quantitative Analysis I	4	PPD 603	Marketing of Health Services	4	PPD 649	Concepts and Practices in Public Personnel Administration	4
PPD 600	Management of Managed Care Organizations	2	PPD 604	Seminar in Hospital Administration	4	PPD 695	Clinical Issues for Managers	1
*Prerequisite: PPD 501			PPD 605	Frontline Issues in Health Care	2, max 4	PPD 696	Health Care Venture Development	2
ELECTIVES (8 UNITS)		UNITS	PPD 608	Leadership Symposium in Health Management and Policy	1, max 2	PPD 697	Cultural Proficiency in Health Management and Policy	2
PPD 601	Management of Long-Term Care Organizations	4	PPD 609	Physician Practice Management	2			
PPD 602	Strategic and Operational Planning for Health Services	4	PPD 610	Managed Care Contracting	2			

Executive Master of Health Administration

The executive Master of Health Administration (M.H.A.) is designed to enable working professionals to pursue an advanced degree while maintaining their active careers. Mid- to senior-level professionals who have high interest and potential to serve as industry leaders in the highly dynamic and competitive health care environment are encouraged to consider the executive M.H.A. degree.

This program uses a collaborative approach to executive education. Course work is interdisciplinary to optimize integrative learning. The program of study requires completion of 34 units, including 24 units of core curriculum and 10 units of electives.

REQUIRED COURSES (24 UNITS)		UNITS
HMG 520	Leading People and Health Care Organizations	4
HMG 565	Managing the Organization's Financial Health	4
HMG 575	Managing and Improving Health	4
PPD 511	Health Information Systems	2
PPD 513	Legal Issues in Health Care Delivery	4
PPD 515	Strategic Management of Health Organizations	4
PPD 600	Management of Managed Care Organizations	2

ELECTIVES (10 UNITS)		UNITS
PPD 514	Economic Concepts Applied to Health	4
PPD 601	Management of Long-Term Care Organizations	4
PPD 603	Marketing of Health Services	4
PPD 604	Seminar in Hospital Administration	4
PPD 605	Frontline Issues in Health Care	2, max 4
PPD 606	Administrative Research and Analysis	4
PPD 608	Leadership Symposium in Health Management and Policy	1, max 2
PPD 609	Physician Practice Management	2
PPD 610	Managed Care Contracting	2
PPD 666	Administrative Research and Analysis	4
PPD 695	Clinical Issues for Managers	1
PPD 696	Health Care Venture Development	2
PPD 697	Cultural Proficiency in Health Management and Policy	2

Through the integrated curriculum, participants gain practical skills developed within an appropriate conceptual context. Emphasis is given to executive decision-making; development of sound planning, analytical and leadership capabilities; and strong interpersonal communication. More specifically, executive M.H.A. graduates will achieve advanced competency in disciplines which include health economics and finance, marketing and business development, operations, strategic analysis and management, organizational design, quality and teamwork, as well as broad-based skills in leadership and management.

Core faculty are drawn from the School of Policy, Planning, and Development and include senior, experienced faculty, along with nationally-renowned academic specialists and health care experts. In addition to the use of seasoned executives as faculty and guest lecturers in class sessions, the program features a periodic speaker series. The opportunity to interact with health care's leading thinkers, policymakers and practitioners is an essential component of the executive M.H.A. program.

Applicants should have at least a bachelor's degree from an accredited university and five or more years of significant professional experience in health care or a related field. The Executive M.H.A. office is located in Von KleinSmid Center, Room 253, School of Policy, Planning, and Development, (213) 740-2984, or email: emha@usc.edu.

Master of Planning

The planning of cities is as old as urban civilization. However, the contemporary planning profession has expanded to include a broad range of applications that draws upon emphases of foresight, common good and interconnections of elements in human settlements. Planners are now engaged in evaluating and guiding community and urban development at all geographic scales, both in the U.S. and around the globe, through the public, private and nonprofit sectors.

Planners will play a role of increasing importance in managing the pressing problems and competing demands of change and growth in the 21st century. The Master of Planning (M.Pl.) curriculum reflects this forward-looking and constantly evolving role.

The M.Pl. curriculum provides a core of knowledge underlying the key forms and applications of planning. This gives the basis for a wide choice of specific careers in the field and extends the relevance and value of graduate education over an extended period of time. A goal of the M.Pl. curriculum is to prepare planners to practice anywhere in the world.

The M.Pl. program is accredited by the Planning Accreditation Board of the American Planning Association and the Association of Collegiate Schools of Planning.

All persons pursuing the M.Pl. will complete core courses which present basic theories, techniques and methods.

Concentrations within the curriculum enable students to focus on one of five broad areas. The concentrations are: preservation and design of the built environment; social and community development; transportation and land use; economic development; and land use, sustainability and regional growth. Specific topic areas of interest in planning, such as housing or urban growth, often span these concentrations and may be pursued accordingly.

A concentration in any of these areas qualifies graduates for a wide range of private, public and nonprofit sector careers with government agencies, consulting firms, corporations, utilities, international technical assistance programs, nonprofit and special interest organizations and joint public-private ventures.

Curriculum Requirements

The program of study for this professional graduate degree requires completion of 48 units, including 16 units of core curriculum, eight units of lab/workshops, 4 units of specialization methodology and 20 units of electives. A comprehensive examination and

an approved non-credit internship are also required. The degree may be pursued on either a full-time or part-time basis.

Core Curriculum

THE CORE CURRICULUM COMPRISES SEVEN

LECTURE-SEMINAR COURSES:		UNITS
PPD 500	Cross-Sectoral Governance	4
PPD 524	Planning Theory	2
PPD 525	Statistics and Arguing from Data	2
PPD 526	Comparative International Development	2
PPD 527	The Social Context of Planning	2
PPD 528	The Urban Economy	2
PPD 529	Legal Environment of Planning	2
		16

Note: Two-unit courses may be offered in seven-and-a-half week blocks.

Laboratory/Workshops

Laboratory/workshops are an integral part of the curriculum of the School of Policy, Planning, and Development, providing the essential educational link between academic education and the world in which graduates will function as professionals. The laboratory/workshops require that students learn to work together as a team by applying their respective capabilities and knowledge to a common problem; much of their work as professionals will involve this kind of collaborative effort.

Local agencies, communities and firms often sponsor PPD 531L to obtain research and analysis. Community groups seek assistance from laboratory/workshops as a means of informing themselves more thoroughly on community problems and issues or for obtaining planning analysis otherwise unavailable to them. The products of laboratory/workshops are usually in the form of policy recommendations, a suggested plan or alternative plans, databases, background information, base maps, or any one of many specific contributions.

Each summer, the school offers one or more international laboratory/workshops (PPD 532L). Recent international labs have been held in Mexico, Venezuela, Vietnam, Italy and China. All students are encouraged to take at least one international laboratory course, especially students in the international planning and development concentration. Travel expenses are not included in tuition.

Students will complete a total of 8 units of PPD 531L (4) and/or PPD 532L (4) to satisfy this requirement.

Specialization Methodology

Students select one methodology course appropriate to their concentration area or professional interests in consultation with their academic advisor.

PPD 612	Research and Analytical Techniques	4
PPD 617	Urban Demography and Growth	4
PPD 627	Design Skills for Urban Planners	4
PPD 631	Urban Information Systems	4
PPD 632	Planning Analysis and Evaluation	4
PPD 633	Urban Transportation Planning and Management	4
PPD 637	Forecasting and Urban Planning: A Survey of Theory and Methods	4
PPD 707	Survey Research Methods	4
PPD 708	Qualitative Methods	4
RED 509	Market Analysis for Real Estate	4
RED 542	Finance of Real Estate Development	3

Planning Electives

Students may elect one or two concentrations, which represent the areas of most rapid professional and intellectual development within the field of planning. One concentration must contain 12 units of which at least eight units must be selected from the curriculum of the School of Policy, Planning, and Development. The remaining elective units may be chosen from any category. Non-school courses may be selected by the student with the approval of an academic advisor and must be directly concerned with the subject matter of the concentration.

The courses listed under each concentration are illustrative; other approved graduate elective courses may be selected with the approval of an academic advisor. Concentrations are not mandatory, but strongly encouraged, as they represent the teaching and research strengths of the school. Courses may be listed in several concentrations.

Economic Development: PLUS 623 (4), PPD 614 (4), PPD 616 (4), PPD 617 (4), PPD 618 (4), PPD 622 (4), PPD 624 (4), PPD 625 (4), PPD 626 (4), PPD 629 (4), PPD 630 (4), RED 509 (4), RED 542 (3), RED 546 (3)

Land Use, Sustainability, and Regional Growth: CE 564 (4), GEOG 611 (4), PPD 417 (4), PPD 425 (4), PPD 461 (4), PPD 616 (4), PPD 617 (4), PPD 618 (4), PPD 619 (4), PPD 620 (4), PPD 623 (4), PPD 637 (4), PPD 692 (4)

Preservation and Design of the Built

Environment: ARCH 450 (4), ARCH 550 (4), PLUS 615 (4), PLUS 631 (4), PLUS 633 (4), PPD 417 (4), PPD 425 (4), PPD 470 (4), PPD 617 (4), PPD 618 (4), PPD 619 (4), PPD 622 (4), PPD 623 (4), PPD 627 (4), RED 573 (2), RED 574 (2), RED 575L (4)

Social and Community Development: PLUS 600 (4), PLUS 623 (4), PLUS 626 (4), PLUS 633 (4), PPD 417 (4), PPD 616 (4), PPD 617 (4), PPD 618 (4), PPD 621 (4), PPD 623 (4), PPD 628 (4), PPD 629 (4), PPD 631 (4), PPD 689 (4), PPD 707 (4), PPD 708 (4)

Transportation and Land Use: PLUS 680 (4), PPD 417 (4), PPD 617 (4), PPD 619 (4), PPD 623 (4), PPD 630 (4), PPD 631 (4), PPD 632 (4), PPD 633 (4), PPD 634 (4), PPD 635 (4), PPD 692 (4)

Comprehensive Examination

Successful completion of a comprehensive written and oral project-oriented examination is required of all students seeking the Master of Planning degree (except for students pursuing the dual degree with either economics or gerontology). The examination integrates accumulated lessons of the core courses and laboratory/workshops, but it is expected that students will also utilize material covered in their specialization methodology and concentration(s) and/or electives.

The comprehensive examination normally is given in the spring semester of each year. Students usually take the examination in the last semester of their second year.

The examination is administered by a faculty committee appointed by the M.Pl. program director and the dean. Examinations are graded on an honors/pass/fail basis. Students who fail the examination may take it again within one year. The examination may only be repeated once.

Internship

Students working toward the Master of Planning degree must complete an internship of at least 10 weeks' duration and a minimum of 400 hours in an organization engaged in planning or a closely related activity. Students must submit a report describing and evaluating the internship experience. Arrangements must also be made for an evaluative report of the internship by the student's supervisor submitted directly to the academic advisor. The internship is not for unit credit.

Students often fulfill their internship while working part-time in a planning-related job during their course of study in the program or in the summer between the two academic years. If a student has had equivalent experience prior to admission to the program, the

internship may be waived by the dean on the recommendation of the student's academic advisor.

The school provides information to students concerning internship and summer employment opportunities. While it is the ultimate responsibility of the student to secure the internship and fulfill the requirement, the school does have an Office of Career Services that actively works with school alumni and area planning organizations to place students in appropriate internships. There are numerous internship opportunities in the greater Los Angeles area.

Directed Research

With the advice of the faculty, a student may elect to enroll in directed research either as an elective or as a substitute for up to four units of the laboratory/workshops requirement. Working directly with a faculty member, the student pursues an interest or problem appropriate to the student's program of study.

The final product of directed research will be approved by the faculty member supervising the student. This may be a written report, graphic formulation, physical model, mathematical-statistical analysis, computer output or film — depending on the most appropriate expression of the research undertaken.

General Requirements*Residence and Course Load*

The Master of Planning normally requires two academic years of full-time study. Courses are also scheduled to allow completion on a part-time basis.

At least 36 units of graduate-level study must be done in residence at USC. The residency requirement may not be interrupted without prior permission from the School of Policy, Planning, and Development. Students accepted into the program with academic deficiencies will require a correspondingly longer time to complete their course work. Students seeking the degree on a part-time basis must take at least one course each semester.

Students must be enrolled at USC for the fall and spring semesters each year until all degree requirements have been met. Students who find it necessary to be excused from a semester of registration must request a leave of absence from the Student Affairs Office by the last day to drop/add courses of the semester in question; such leaves may be granted for up to one year. For additional information refer to USC policies governing continuous enrollment, readmission, and leaves of absence in the Academic Policies section of this catalogue.

Time Limits

All requirements for the Master of Planning must be completed within five calendar years from the beginning of the semester in which the student was admitted to the program. University regulations prohibit the acceptance of credits for courses taken toward the Master of Planning degree more than seven years after the date they were successfully completed.

Grade Point Average Requirement

While enrolled in the program a student must maintain a grade point average of at least a 3.0 for all courses taken toward the degree.

Probation and Disqualification

Any student with a cumulative grade point average below 3.0 for all courses taken in the program will be placed on academic probation. A student whose semester grade point average is below 3.0, but whose cumulative grade point average is 3.0 or higher, will be placed on academic warning.

A student may be disqualified to continue toward a graduate degree if the student has been on academic probation for two consecutive semesters. Whether or not on academic probation or warning, a student may be disqualified at any time from continuing in the program if the dean of the school, after consultation with the faculty, determines that the student is deficient in academic achievement or in another qualification required for the attainment of the Master of Planning degree.

Course Exemptions and Transfer of Credits

Graduate work by transfer may be accepted from approved graduate schools as determined by the USC Articulation Office upon recommendation of the dean of the school. Not more than 12 units of graduate work, with grades of B or better may be transferred for credit to the Master of Planning degree.

The following courses, or their equivalents, cannot normally be transferred for unit credit from other institutions: PPD 524, PPD 525, PPD 526, PPD 527, PPD 528, PPD 529, PPD 530, PPD 531L, PPD 590, PPD 594ab. Undergraduate work will not be credited for advanced or graduate standing. Students may petition to receive subject credit for these courses; unit requirements must be met through the completion of additional electives.

Some applicants for admission to the school will have been engaged in work in planning, development or closely related activities. Although this experience may have been beneficial to the students involved and may satisfy the internship requirement, it may not be considered equivalent to academic education.

Master of Planning and Development Studies

The Master of Planning and Development Studies degree is designed for mid-career professionals in planning, development or related disciplines who desire to update and/or redirect their professional skills and careers. The program is very flexible, allowing students to pursue areas of expertise that they find valuable in their present or future careers. Entering students must have a minimum of five years of planning, development or related professional work experience.

Curriculum Requirements

The Master of Planning and Development Studies program requires completion of 28 units. Basic degree requirements consist of two core courses; 16 units in an emphasis area approved by an advisor; and an integrative seminar course during which the student completes a written and oral comprehensive examination.

REQUIRED COURSES	UNITS	
PPD 611	Policy Issues in Planning and Development	4
PPD 612	Research and Analytical Techniques	4
PPD 638	Integrative Seminar (normally in the last semester in conjunction with the comprehensive examination)	4

Concentration Area(s)

Students elect a concentration area from one of three already defined or, with prior approval by an advisor, design a concentration from School of Policy, Planning, and Development courses and USC graduate courses. A minimum of eight units must be School of Policy, Planning, and Development courses. The three defined concentration areas are:

Community Economic Development Select

16 units from the following courses: PPD 618 (4), PPD 623 (4), PPD 624 (4), PPD 625 (4), PPD 626 (4), PPD 629 (4), PPD 631 (4); RED 509 (4), RED 542 (3), RED 546 (3)

Environmental Policy and Planning Select

16 units from the following courses: PLUS 600 (4), PLUS 633 (4), PPD 531L (4), PPD 617 (4), PPD 619 (4), PPD 620 (4), PPD 621 (4), PPD 622 (4), PPD 631 (4), PPD 634 (4), PPD 712 (4)

International Planning and Development Select

16 units from the following courses: PLUS 631 (4), PLUS 632 (4), PLUS 633 (4), PLUS 635 (4), PLUS 640 (4); PPD 626 (4); RED 583 (2), RED 585 (4)

Integrative Seminar and Comprehensive Examination

Successful completion of a comprehensive examination is required of all students seeking the Master of Planning and Development Studies degree. The integrative seminar course (PPD 638) and comprehensive exam should be taken during the semester of intended graduation. During the seminar class, students identify a practice-oriented problem covering the core courses and concentration area, which ideally is sponsored by a planning and/or development office or firm. The student will: (1) prepare a professional-quality document; (2) present the solution to a faculty committee with invited sponsor guests; and (3) have an oral defense. Students who fail the examination may take it again within one year, but it may only be repeated once.

General Requirements

Residence and Course Load

The Master of Planning and Development Studies may be completed in one academic year of 12 units in the fall and spring semesters and the four-unit integrative seminar/comprehensive examination the following summer semester.

At least 18 units of graduate study must be done in residence at the University Park campus, the USC State Capital Center or at an approved off-campus study center.

Time Limit

Students in the program must complete all requirements for the Master of Planning and Development Studies within five calendar years from the beginning of the semester in which the student was admitted to the program.

Grade Point Average Requirement

While enrolled in the program, a student must maintain a grade point average of at least 3.0 (A = 4.0) for all courses taken toward the degree.

Probation and Disqualification

Any student with a cumulative grade point average below 3.0 for all courses taken in the program will be placed on academic probation. A student whose semester grade point average is below 3.0, but whose cumulative grade point average is 3.0 or higher, will be placed on warning.

A student may be disqualified to continue toward a graduate degree if the student has been on academic probation for two consecutive semesters. Whether or not on academic probation or warning, a student may be disqualified at any time from continuing in the program if the dean of the school, after consultation with the faculty, determines the student is deficient in any degree requirement.

Course Exemption and Transfer of Credits

Credit for graduate work may be transferred from approved graduate schools as determined by the USC Degree Progress Department in the Office of Academic Records and Register on recommendation of the dean of the school. Not more than four units of graduate work, with grades of B or better, can be transferred for credit toward the Master of Planning and Development Studies degree.

The following courses, or their equivalents, may not normally be transferred for unit credit from other institutions: PPD 611, PPD 612 and PPD 638. Undergraduate work may not be transferred into the degree program for unit credit.

Some applicants for admission to the school will have been engaged in work in planning, development or closely related activities. Although this experience should be beneficial to the students involved, it may not be considered equivalent to academic education.

Master of Public Administration

Admission

The Master of Public Administration programs are under the jurisdiction of the School of Policy, Planning, and Development. All admissions decisions are made by the school, following guidelines set by the university. See the Admission section of this catalogue.

All questions about the programs and all materials required for admission should be submitted to: M.P.A. Programs, Admissions Office, RGL 111, University Park, University of Southern California, Los Angeles, CA 90089-0626.

Admission to each of these programs is determined by the faculty and admissions committees connected with those areas. Application packages should be sent directly to the program office.

Applications

The admission decision is made using criteria which include verification that the applicant has completed a bachelor's degree from an accredited college, has maintained a B average in undergraduate course work and has earned an acceptable score on the verbal and quantitative portions of the Graduate Record Examinations (GRE) or the Graduate Management Admissions Test (GMAT). Other elements of the applicant's educational and experiential background are also evaluated. International students whose national language is not English must also submit a Test of English as a Foreign Language (TOEFL) score.

Each candidate should submit the following to the school: (1) official transcripts of all previous college and university work, showing an awarded degree where appropriate; (2) copies of GRE or GMAT scores; (3) an essay answering questions on the admission questionnaire provided by the school; (4) an up-to-date resume which includes academic and professional accomplishments; (5) three or more letters of evaluation from previous instructors and from professional associates who can attest to the applicant's potential; (6) completed USC Graduate Admission Application, along with the nonrefundable processing fee; and (7) completed School of Policy, Planning, and Development Supplemental Graduate Application.

International applicants may be asked to supply additional information. See the Graduate Admission section of this catalogue.

Deadlines

Applications for admission are evaluated monthly. Those students who are also applying for financial aid, or who must meet other deadlines for admission, should submit application materials early enough to allow the admissions decision to be made in advance of those other deadlines.

The admissions process generally takes about four to six weeks after all necessary materials have been submitted.

Pre-Service/In-Service Designation

Most M.P.A. students are classified as pre-service or in-service students at the time of admission. Pre-service students are those who enter the program with less than two years of professional work experience. In addition to course work, pre-service students complete an internship. Students pursuing the Intergovernmental Management specialization or one of the dual degree programs are not classified as pre-service or in-service. Appeals for reclassification of this designation must be submitted during the first semester of enrollment.

Prerequisites

Social Science

Any undergraduate major is acceptable as preprofessional background, provided the applicant has had at least 12 semester units (16 quarter units) of undergraduate course work in cultural anthropology, economics, ethnic studies, social and human geography, political science, sociology or related social science area courses; no more than two of these courses may be in the same field.

Deficiencies in the social science prerequisite may be met while in residence by taking appropriate courses in other departments, but such course work may not be counted toward the course requirements for the master's degree.

Statistics

A basic competence in descriptive and inferential statistics is also required for the M.P.A. programs. This prerequisite may be fulfilled by successfully completing the school's Statistics Competence Examination, or by successfully completing PPD 404x with a grade of C or higher (A = 4.0), which may not be used for graduate credit.

All prerequisites must be fulfilled within the first 12 units of graduate course work. The statistics prerequisite must also be met before enrolling in PPD 541, PPD 542, PPD 557, PPD 638 or PPD 666.

International Students

Students applying for graduate programs should send applications and appropriate documents to the M.P.A. Programs Admissions Office, which processes all such applications.

Admission

A student is accepted for admission only for the semester indicated on the letter of admission. If the student desires to enter at another time, or if the student cannot arrive on campus in time for the semester in which he or she was admitted, the student must contact the M.P.A. Programs Admissions Office in writing. That office will contact the Office of International Admissions.

Students who do not enroll for the semester indicated on the letter of admission cannot be guaranteed admission to a later session. They will need to work with the M.P.A. Programs Admissions Office to determine procedures to follow.

Official Document to Enter the United States

The M.P.A. Programs Admissions Office, working with the Office of Admission, will provide the official admission letter and the I-20 or the IAP-66 eligibility certificate, whichever is appropriate, for the student to enter the United States.

Any student who enters the United States using these documents issued by USC must register for the semester to which he or she has been admitted. Failure to register disqualifies the student from reapplying for one year from that semester to which he or she had been admitted. Reacceptance is not guaranteed.

Registration Requirements

International students on student visas must be registered as full-time students as arranged by the Office of International Services. Doctoral students must carry a load of at least six units to be considered full-time students. A full-time graduate load is eight units. Such students are not eligible to be considered students without formal registration and may be in violation of immigration laws when not properly registered.

International students who have questions about registration requirements should contact the Office of Recruitment and Student Affairs.

Admission Status

M.P.A. applicants may be permitted to take courses before the admission process is completed or they may be admitted before certain conditions have been met; each student must, however, attain regular status (standing) admission to the school prior to or upon completion of 8 graduate units.

Limited Status Students (Preadmission)

Students taking courses who have not been admitted to the school are designated limited status students. These students may be taking courses to meet prerequisites; they may be waiting for part of their application package materials to arrive; or they may be investigating whether an M.P.A. is the best choice for them.

To be considered for limited status enrollment, interested students need to complete the School of Policy, Planning, and Development Limited Student Application for Enrollment form and submit official or unofficial copies of their transcripts from their bachelor's degree granting institution. Students with a 3.0 grade point average (A = 4.0) may enroll in up to 8 units of graduate courses in the School of Policy, Planning, and Development.

School of Policy, Planning, and Development Limited Student Application for Enrollment forms may be obtained from the Admissions Office, School of Policy, Planning, and Development, University of Southern California, RGL 111, Los Angeles, CA 90089-0626; (213) 740-6842. Limited students may only enroll during the in-person registration period (the week before classes begin).

Limited status students may apply only 8 units of appropriate graduate work toward the M.P.A. after admission. Units beyond these first 8 must be petitioned for through the school. Students on limited status are encouraged to complete the application and admission processes before completing those first 8 units.

Ph.D. Candidates

Ph.D. students who pass the qualifying examinations and complete the M.P.A. course requirements or their equivalent during their course work at USC may, with the recommendation of the coordinator of the M.P.A. program, apply for and receive the M.P.A. degree.

M.P.A. Curriculum

The M.P.A. course requirements are designed to address current and future professional competencies for accomplishment; to establish a sequence of basic required

courses; and to maximize student choice and depth in specialized studies. The curriculum requires 40 units for completion (41 for pre-service students). Pre-service students, that is, those who have less than 25 months' employment experience in a professional level position, are also required to take an internship that includes a one-unit seminar.

Core Courses

CORE COURSES		UNITS
PPD 500	Cross-Sectoral Governance	4
PPD 501	Public Sector Economics	4
PPD 540	Public Administration and Society	4
PPD 546	Professional Practice of Public Administration	4

Three of the required core courses (PPD 500, PPD 501 and PPD 540) provide the foundation to the field and the fourth (PPD 546) serves as a capstone course. PPD 540 must be taken in the first semester or within the first 12 units and PPD 546 must be taken in the final semester or last 12 units of the student's program.

Management Competencies

M.P.A. students are expected to develop managerial competencies in three areas by taking at least one course in each of the following areas:

MANAGEMENT COMPETENCIES		UNITS
<i>Analytic Methods</i>		
PPD 542*	Policy and Program Evaluation, or	
PPD 557*	Quantitative Analysis I, or	
PPD 666*	Administrative Research and Analysis	4
<i>Organizational Behavior</i>		
PPD 545	Human Behavior in Public Organizations	4

(With the approval of the M.P.A. or center director, the student may choose a human resource management elective to fulfill this requirement.)

Finance

PPD 541*	Public Financial Management and Budgeting	4
----------	---	---

(With the approval of the M.P.A. or center director, the student may choose a financial management elective to fulfill this requirement.)

*The statistics requirement must be met before enrolling in PPD 541, PPD 542, PPD 557 or PPD 666. A student must pass the school's statistics competency examination or pass PPD 404x with a grade of C or better. The examination is offered every semester.

Area Cluster Electives

Students may elect to devote their three elective courses to gain depth in a designated area cluster. These areas include the following: community and economic development, environmental management and land-use policy, financial management, health administration, human resources management, information technology management, inter-governmental management, international policy and management, local government, non-profit management, planning, public policy, real estate development, transportation, and urban form and design.

Students may elect to follow a more generalist perspective and take their elective courses from the array of elective offerings.

Thesis Option

Thesis option, PPD 594ab Master's Thesis (4 units), may be taken as part of the elective category. Information regarding the thesis contract is available from the M.P.A. director. All theses and dissertations submitted in fulfillment of requirements for graduate degrees must conform to university regulations with regard to form and method of preparation.

Internships

Pre-service students – that is, those with fewer than 25 months employment in a professional level position – are required to complete an internship and an internship seminar (PPD 543). MPA students may enroll in the internship seminar during their first semester. Students complete internships in conjunction with the internship seminar.

Specialization in Intergovernmental Management

In addition to the substantive area cluster, M.P.A. students may choose the specialization in intergovernmental management.

Students enroll in courses and serve in internships in at least two levels of governance. A student may take courses toward this specialization at either the Los Angeles or USC State Capital Center. Internships may be taken through either of these centers. Students electing this specialization meet with the intergovernmental management coordinator at either the Los Angeles or the USC State Capital Center to design their program.

To complete this specialization, students complete three courses from the following lists (with at least two drawn from the first list): (1) PPD 661, PPD 662, PPD 663, PPD 669, PPD 670; (2) PPD 688, PPD 689, PPD 690.

Master of Public Policy

The Master of Public Policy (M.P.P.) program is designed to prepare students for careers as professional policy analysts. Through an interdisciplinary curriculum and real world experience, students gain an understanding of the policy process, and develop the capacity to formulate, analyze and implement public policy.

The M.P.P. degree is offered at the University Park campus only.

Requirements for Admission

Candidates for admission must have maintained a minimum B (3.0) average during their undergraduate degree work and attain a score of at least 500 on the verbal and at least 500 on the quantitative sections of the GRE. Exceptions to these requirements are allowed if justified by outstanding work experience, letters of recommendation, or demonstrated improvement in academic performance during undergraduate studies.

Applicants must have a bachelor's degree from an accredited institution and have a basic competence in descriptive and inferential statistics. This prerequisite may be fulfilled by successfully completing the M.P.P. lab, the school's Statistics Competence Examination or by successfully completing PPD 404x with a grade of C or higher (A = 4.0), which may not be used for graduate credit.

Degree Requirements

Students are required to complete 48 units of graduate work. The following 32 units constitute the M.P.P. core and must be completed by students.

REQUIRED CORE COURSES		UNITS
PPD 500	Cross-Sectoral Governance	4
PPD 501	Public Sector Economics	4
PPD 554	Public Policy Formulation	4
PPD 557	Quantitative Analysis I	4
PPD 558	Quantitative Analysis II	4
PPD 559	Policy Implementation and Evaluation	4
PPD 560	Methods for Policy Analysis	4
PPD 561	Policy Analysis Practicum	4

Students are also required to complete one management course from the following list:

MANAGEMENT COURSE (CHOOSE ONE)	UNITS	
PPD 516x	Financial Accounting in the Public and Non-Profit Sectors	4
PPD 541	Public Financial Management and Budgeting	4
PPD 545	Human Behavior in Public Organizations	4
PPD 654	Information Technology Management in the Public Sector	4

PPD 661	Intergovernmental Management: Local Perspective	4
PPD 675	Nonprofit Management and Leadership	4
PPD 690	Alternative Dispute Resolution	4

In addition to these 36 required units, students are required to take 12 units of electives. Elective courses typically will be taken in an area of concentration and will be selected by the students with the advice and written consent of the director of the M.P.P. program. The following are examples of policy areas of concentration: Community Economic Development, Education Policy, Environmental Policy, Health Policy, Media and Communications Policy, Philanthropy and Nonprofit, and Transportation Policy.

During a student's final semester of the program, the Policy Analysis Practicum is required as a component of the program's 48 units of course work. The practicum is an opportunity for students to apply their analytic skills to a current problem for an actual client. Admission to the practicum is granted on the approval of the M.P.P. director, and normally requires prior completion of most required courses.

Master of Public Policy and Management

The International Public Policy and Management (IPPAM) Program offers a Master of Public Policy and Management (M.P.P.M.). The degree is designed for managers, planners and analysts involved in social sector programs who want to strengthen their management skills and further develop their policy analysis capabilities. For professionals working in the social sectors, IPPAM offers an opportunity to deepen their conceptual understanding of the forces driving change in their sectors and to develop an analytical approach for accessing and reshaping social policy. The program is well-suited for mid-career professionals working in the social sectors, such as physicians, nurses and pharmacists in the health professions; educators and administrators in the teaching professions; government regulators, managers and staff; community organizers, aid workers and others working in the NGO sector; and reporters and others in the news professions interested in covering social issues.

This program is specifically designed for international students and U.S. students who wish to work in international settings, including the Pacific Rim, Latin America and countries in other regions with evolving social systems.

Students are required to complete a minimum of 32 units. All students must fulfill core requirements (20 units) in fundamental policy analysis and management disciplines and an additional 12 units in an area of concentration chosen by the student. The core requirements include: PPD 501 Public Sector Economics; PPD 542 Policy and Program Evaluation; PPD 569 Applied International Policy Analysis and Management Project; PPD 570 Applied Statistics for Planning, Policy and Management; and PPD 571 International Public Policy and Management Seminar.

Students select an area of concentration in which they complete a set of recommended elective courses. Each concentration allows students to pursue in depth one or more areas of particular relevance to their career goals. The concentration areas enable students in the interdisciplinary IPPAM program to establish a second "home" in one of the school's programs, such as health administration or urban planning. Students are required to consult with IPPAM faculty advisors to choose elective courses from a recommended list of courses relevant to the M.P.P.M. degree.

Through the integrated curriculum, participants gain practical skills which are developed within an appropriate conceptual context. Many of the courses and applied projects integrate examples and data from the student's home countries. Program graduates will have achieved advanced competency in disciplines that include public sector economics, applied methods for public policy analysis, evaluation and management.

Core faculty are drawn from the School of Policy, Planning, and Development and include senior, experienced faculty along with leading practitioners and experts in applied fields such as community development, international trade policy, health care policy, and so forth. In addition to the participation of distinguished visiting scholars as guest lecturers in class sessions, the program features an international seminar on public policy and management with guest lectures by policy makers. The opportunity to interact with leading scholars, policy makers, and practitioners from the U.S. and abroad is an essential component of the program.

The program begins in mid-June with intensive English language workshops and the course in applied statistics. The language workshop can be waived for students with 250+ computer-based TOEFL scores or 600+ paper-based TOEFL scores. In the fall semester, international students transition into the regular program consisting of required courses and electives in their chosen concentration area. Some international students may be required to enroll in additional English language workshops depending on how they score on required English exams. Most students can expect to complete the program in 13 months. The intensive nature of the program is designed for full-time students who take a leave from work while enrolled in the

program. This approach minimizes the amount of time that professionals must be away from their full-time careers to pursue an advanced degree.

Applicants should have at least a bachelor's degree from an accredited university and three to seven years of significant professional experience. The IPPAM Program office is located in the School of Policy, Planning, and Development, Von KleinSmid Center, Room 253, phone (213) 740-0547, fax (213) 821-1331, email: ippam@usc.edu.

Master of Real Estate Development

The Master of Real Estate Development program is a carefully integrated program that brings together the three main elements of real estate development: design, finance and public policy. It is a one-year full-time or two-year evening executive program of study designed to provide students with the knowledge and skills they require to compete successfully in the development industry. The curriculum encompasses eight areas of study with which developers must be conversant, including real estate law, economics, finance, market analysis, negotiation, planning, architecture and engineering. Courses are taught by full-time faculty members from the School of Policy, Planning, and Development. In addition, practicing developers, lawyers, planners and other professionals make regular contributions to the course of study, helping students link learning to practice.

Curriculum Requirements

The program of graduate study for the professional degree requires successful completion of the core curriculum (36 units), elective courses (8 units) and a comprehensive examination. Students must complete a total of 44 units.

Core Curriculum

The core comprises 13 lecture-seminar courses that combine lectures, projects, case analyses, and exercises which allow students to experience all facets of the developer's tasks and problems. The integrative project, RED 575L, provides problem solving exercises and the evaluation of actual development situations. Courses emphasize various design, regulatory and fiscal problems associated with urban development and the developer's role in improving development standards in the industry.

CORE COURSES		UNITS
RED 500	Real Estate Development and the Economy	2
RED 509	Market Analysis for Real Estate	4
RED 541	Finance Fundamentals for Real Estate Development	2
RED 542	Finance of Real Estate Development	3
RED 544	Real Estate Capital Markets	2
RED 546	Application of Real Estate Finance to Problems of Development	3
RED 547	Project Management and Construction	2
RED 551	The Approval Process	4
RED 562	Legal Issues in Real Estate Development	4
RED 573	Design History and Criticism	2
RED 574	Building Typologies	2
RED 575L	Community Design and Site Planning	4
RED 598	Real Estate Product Development	2

Eight units of elective course work are required for the Master of Real Estate Development. These courses may be taken in the Schools of Policy, Planning, and Development, Architecture, Business, Law and the Department of Civil Engineering. Admission to some classes requires advanced prerequisites and is subject to availability and approval of the instructor.

Comprehensive Examination

Successful completion of a comprehensive written and oral examination is required of all students seeking the Master of Real Estate Development degree. The examination explicitly covers the core courses. It is normally administered late in the spring semester by a faculty committee appointed by the dean. Students who fail the examination once may take it again within one year. The examination may not be repeated more than once.

General Requirements

Residence and Course Load

The Master of Real Estate Development may be completed on either a full-time or part-time basis. Both options begin in the summer session in June. The full-time program requires 11 months of study. The evening executive option is completed over a two-year period. Students are also expected to participate fully in all extracurricular activities associated with the Master of Real Estate Development program, including the weekly speaker series.

Students who wish a leave of absence for a semester or longer must request it from the dean in writing; such leaves may be granted for up to one year.

Students must have an approved laptop computer as required by instructors and must demonstrate calculator and spreadsheet skills.

Time Limit

The time limit within which students in the program must complete the requirements for the Master of Real Estate Development is governed by the following regulations:

All requirements for the Master of Real Estate Development must be completed within five calendar years from the first course at USC applied toward the degree.

University regulations prohibit the acceptance of credits for courses taken toward a Master of Real Estate Development degree more than seven years after the date they were successfully completed.

Grade Point Average Requirement

While enrolled in the program, a student must maintain a grade point average of at least 3.0 for all courses taken toward the degree.

Probation and Disqualification

Any student with a cumulative grade point average of below 3.0 for all courses taken in the program will be placed on academic probation. A student may be disqualified to continue toward a graduate degree if the student has been on academic probation for two consecutive semesters. Whether or not on academic probation or warning, a student may be disqualified at any time from continuing in the program if the dean of the school, after consultation with the faculty, determines that the student is deficient in academic achievement or in another qualification required for

the attainment of the Master of Real Estate Development degree.

Course Exemptions and Transfer of Credits

Courses taken toward other degree programs, if determined by the dean to be equivalent to courses in the curriculum, may be accepted for subject credit only. All students are required to complete 44 units while enrolled in the Master of Real Estate Development program. The acceptance of previous course work for subject credit will enable the student to take additional elective courses.

Certificate Programs

Graduate Certificate in Transportation Systems

The graduate certificate in transportation systems is an interdisciplinary program administered by the Department of Civil Engineering. The certificate program allows students to specialize in transportation applications, while simultaneously receiving a degree in their home department. The certificate in transportation systems combines elements of transportation engineering with transportation policy, planning and project management. The program is especially appropriate for students intending to pursue careers as developers of transportation technologies or as implementors of technologies within government agencies.

Students electing the certificate program apply to the Department of Civil Engineering.

Course prerequisites for the program are:

- 1) one course in statistics or uncertainty, equivalent to CE 408, ISE 225 or PPD 404x;
- 2) one course in engineering economy, equivalent to ISE 460;
- 3) one course in microeconomics, equivalent to ECON 203; and
- 4) one course in a high level programming language, such as C or Fortran.

These prerequisites may be satisfied after enrollment in the certificate program by taking the indicated courses or their equivalent. Graduate students cannot receive credit for courses numbered below 400. Detailed admissions requirements are published by the Department of Civil Engineering.

Requirements for Completion

The curriculum consists of five graduate courses for a total of 17 units.

REQUIRED COURSES		UNITS
CE 519	Transportation Engineering	3
CE 585	Traffic Engineering and Control	3
ISE 515	Engineering Project Management	3
PPD 633	Urban Transportation Planning and Management	4
PPD 634	Institutional and Policy Issues in Transportation	4

Qualified students holding a bachelor's degree also have the option of enrolling in the certificate program without receiving a separate graduate degree.

Certificate Programs in Public Financial Management

Students enrolled in the public financial management certificate program are required to take 52 graduate units of course work (53 for pre-service students). Sixteen of these units are M.P.A. core courses (PPD 500, PPD 501, PPD 540 and PPD 546); and 12 units of management competencies (PPD 541, PPD 542 or PPD 557 or PPD 666, and PPD 545). In addition, students must take 16 units of course work in finance and related subjects (PPD 516x, PPD 554 or PPD 555, PPD 647 and PPD 661 or PPD 662 or PPD 669). Eight units of approved electives will be selected from among: PPD 510b, PPD 542, PPD 652, PPD 660, PPD 661, PPD 662, PPD 669, PPD 679 and PPD 688. Pre-service students must also serve an internship and be enrolled in PPD 543.

Students may receive this certificate with a specialization in intergovernmental management provided they complete the three course sequence (PPD 661, PPD 662, PPD 669). Students may satisfy this requirement if they apply two of these courses toward the eight-unit elective requirement and apply the third course toward the 16-unit finance and related subjects requirement.

Certificate Program in Public Policy Analysis and Management

Students enrolled in the public policy analysis and management certificate program are required to take 52 graduate units of course work leading to the M.P.A. and the certificate (53 for pre-service students). Sixteen of these units are M.P.A. core courses (PPD 500, PPD 501, PPD 540, PPD 546); 12 units are from management competencies (PPD 541, PPD 545 and PPD 557). In addition, students must take 16 units of course work in policy analysis (PPD 542 or PPD 558, PPD 554 or PPD 555, PPD 560, PPD 561). Eight units of approved electives are required. Pre-service students must also serve an internship and be enrolled in PPD 543.

Students may receive this certificate with a specialization in intergovernmental management provided they complete the three course sequence (PPD 661, PPD 662, PPD 669). Students may satisfy this requirement if they apply two of these courses toward the 8-unit elective requirement and apply the third course to the 4-unit policy analysis requirement.

Certificate Programs in Health Services Administration

The Health Services Administration Program of the School of Policy, Planning, and Development offers three certificate programs in specialized areas of health care administration. The certificates are designed to provide practitioners with means for improving or updating their knowledge and experience in a challenging and professionally relevant course of study. Certificates are offered in Administration of Long Term Care Programs and Management of Ambulatory Care Systems. Applicants for the Health Services Administration certificate programs must make formal application for admission to the certificate program, provide transcripts of all college work, supplemented by three letters of recommendation, including one from a former instructor, a resume and a personal statement describing their career goals and the relationship of the certificate to those ends.

It is expected that applicants to the certificate programs should have graduated from a recognized college with an approximate grade point average of B in the last 60 units of college work. Non-graduates may be admitted if the director believes that there is evidence to suggest that the applicant is capable of graduate level work.

Successful completion of the certificate will not be a deciding factor in the admission decision for the degrees offered by the Health Services Administration Program or the School of Policy, Planning, and Development.

Each program requires 20 units of graduate credit including a 16-unit core and a four-unit specialized seminar in the area of the certificate concentration. Core courses (16 units) are: PPD 509; PPD 510a or PPD 516x; PPD 545 or PPD 557; one elective. One specialized seminar as follows (four units): PPD 600, PPD 601 or GERO 550.

Completing a certificate program does not constitute completion of or admission to the Master of Health Administration (M.H.A.) degree program nor will it be a deciding factor in the admission decision to the M.H.A. degree program. Students in the M.H.A. program, however, may qualify for award of these certificates if they complete the applicable course requirements.

Certificate in Training and Human Resources Development

Students enrolled in the Certificate Program in Training and Human Resources Development are required to take 52 graduate units of course work (53 for pre-service students). Sixteen of these units are M.P.A. core courses (PPD 500, PPD 501, PPD 540, PPD 546); 12 units are management competencies (PPD 541, PPD 542 or PPD 557 or PPD 666, PPD 545). In addition, students must take 16 units of human resources development courses (PPD 649, PPD 650, PPD 680 and one elective) and 8 units of approved electives.

Students may also choose to complete the seven-week International Training of Trainers (ITOT) program. They will be given credit for three courses (PPD 650, PPD 653 and PPD 680). These students will be able to complete the human resources management and elective requirements by taking PPD 649 and two four-unit electives. Pre-service students must also serve an internship and be enrolled in PPD 543.

Certificate in Public Management

This program provides students with a solid foundation of training and skills in management. Individuals who need training in public administration but who are unable to enroll for the Master of Public Administration (M.P.A.) degree may find this certificate program of particular interest. Key to the program's success is the close integration of the academic curriculum and the application of skills and theory to managerial work assignments. Students may enroll at any time throughout the year.

The program consists of four courses: PPD 540, PPD 542, PPD 545, and one elective selected from any 500-level offering in the PPD curriculum.

Certificate in Public Policy

This graduate certificate program provides students with a foundation in public policy analysis. It is designed to provide expertise in public policy to individuals who do not want to pursue the Master of Public Policy degree. Potential students include those who are pursuing another degree and want to complement that work with a specialization in public

policy, as well as qualified students holding a bachelor's degree who have not matriculated at USC. The certificate develops policy analytic skills and their integration with a policy issue area of interest to the student.

Applicants for the Certificate in Public Policy who have not matriculated at USC must make a formal application for admission to the certificate program, provide transcripts of all college work, a resume and one letter of recommendation.

The program consists of four graduate courses for a total of 16 units.

REQUIRED COURSES		16 UNITS
PPD 554	Public Policy Formulation	4
Choose two courses from:		
PPD 500	Cross-Sectoral Governance	4
PPD 501	Public Sector Economics	4
PPD 557	Quantitative Analysis I	4
PPD 558	Quantitative Analysis II	4
PPD 559	Policy Implementation and Evaluation	4
PPD 560	Methods for Policy Analysis	4

Choose one course from a policy area. There are many policy issues courses from which to choose (e.g., Health, Nonprofit, Transportation, Environment, Housing). 4

The Master of Public Policy director will provide advisement

Non-Credit Programs Offered by the Center for International Training and Development Management Effectiveness Program

This is a four-week intensive training program in the art and science of management. The program is designed to enhance leadership effectiveness and the development of a management generalist perspective.

International Executive Development Laboratory

This five-week laboratory focuses on issues in executive leadership, strategic management, environmental analysis, international finance and economics, computer-based project planning, and implementation of planned change strategies.

Dual Degree Programs

A dual degree program is an academic option which allows a student to enroll in two graduate programs simultaneously. Application must be made to both schools, and if accepted to both, the student pursues a specially designed program which combines selected courses from the two academic units. Students are required to seek advisement from both schools. The student will have the opportunity to acquire the knowledge and skills from two fields of study.

The dual degree program enables the student to integrate a closely related field with planning or development. The purpose of the dual program is to provide an enriched educational experience; accordingly, concurrent course work in the two fields is required.

Since the unit requirements of dual degrees depend upon the mutual transfer of units between the two academic units, no other transfer of credits will be allowed.

Students who decide, at any point, to earn only one of the two degrees must meet all the regular requirements for earning that degree alone.

Students in Master of Planning dual degree programs must fulfill the comprehensive examination and appropriate internship requirements except where noted otherwise.

Master of Planning/Master of Architecture

The Master of Planning/Master of Architecture dual degree program facilitates highly related cross-disciplinary studies in architecture and in planning at the master's level. This program offers students interested in developing a career in urban design an opportunity to make more substantial commitments in both disciplines and to achieve a more coherent and extensive knowledge in the design of built environments and public policy. Candidates must already possess a degree in architecture. This dual degree program normally requires five semesters in residence.

Requirements

Requirements for completion of the dual degree program are 72 units, including 36 units in architecture and 36 units in planning, as follows:

ARCHITECTURE		UNITS
ARCH 532	Elements of the Urban Landscape	2
ARCH 533	Urban Landscape Case Studies	2
ARCH 561	Architecture in the Urban Landscape: Projects and Places	2
ARCH 563	Architecture in the Urban Landscape: Comparative Theories	2
ARCH 605abL	Graduate Architecture Design	6-6
ARCH 693abL	M.Arch. Thesis, Option I, or	
ARCH 695abzL	M.Arch. Thesis, Option II	4-8
	Elective*	4

*A 4-unit elective course taken within the School of Architecture.

POLICY, PLANNING, AND DEVELOPMENT		UNITS
PPD 500	Cross-Sectoral Governance	4
PPD 524	Planning Theory	2
PPD 525	Statistics and Arguing from Data	2
PPD 526	Comparative International Development	2
PPD 527	The Social Context of Planning	2
PPD 528	The Urban Economy	2
PPD 529	Legal Environment of Planning	2

Note: 2-unit courses may be offered in seven-and-a-half week blocks.

Specialization Methodology: A 4-unit course selected from the list shown in the M.PI. program.

Laboratory/Workshops: PPD 531L (4, 4) and/or PPD 532L (4, 4) to total 8 units.

Electives: 8 units of elective courses taken within the School of Policy, Planning, and Development.

Dual degree students, like all other Master of Planning students, must take a comprehensive examination and fulfill the internship requirement.

Master of Planning/Master of Business Administration

The Master of Planning/Master of Business Administration dual degree program enables the student to understand the conduct and requirements of business, accounting, corporate and strategic planning, real estate marketing, and finance. Further, students gain expertise in public policy, city planning and the interpretation of government regulations. Exposure to both fields becomes an educational as well as a professional asset for careers in either public service or private enterprise. This dual degree program normally requires five semesters in residence.

Requirements

A total of 84 units is required for the dual degree: 48 units of work in the Marshall School of Business and 36 units in the School of Policy, Planning, and Development. Required courses that must be taken in the Marshall School of Business include: all courses required in an M.B.A. core program and graduate business electives sufficient to bring the total units completed in the Marshall School of Business to at least 48. Dual degree students must not count courses taken outside the Marshall School of Business toward the 48 units.

POLICY, PLANNING, AND DEVELOPMENT		UNITS
PPD 500	Cross-Sectoral Governance	4
PPD 524	Planning Theory	2
PPD 525	Statistics and Arguing from Data	2
PPD 526	Comparative International Development	2
PPD 527	The Social Context of Planning	2
PPD 528	The Urban Economy	2
PPD 529	Legal Environment of Planning	2

Note: 2-unit courses may be offered in seven-and-a-half week blocks.

Specialization Methodology: A 4-unit course selected from list shown in the M.PI. program.

Laboratory/Workshops: PPD 531L (4, 4) and/or PPD 532L (4, 4) to total 8 units.

Electives: 8 units of elective courses taken within the School of Policy, Planning, and Development.

Dual degree students, like all other M.Pl. students, must take a comprehensive examination and fulfill the internship requirement.

Master of Planning/Master of Arts in Economics

The School of Policy, Planning, and Development and the Department of Economics jointly offer a two-year program leading to the M.Pl. and M.A. degrees. Applicants must apply to the School of Policy, Planning, and Development and the USC Graduate School and meet the admission requirements of both.

Requirements

Requirements for completion of the dual degree program are 56 units, including 24 units in economics and 32 units in planning, as follows:

ECONOMICS		UNITS
ECON 500	Microeconomic Analysis and Policy	4
ECON 501	Macroeconomic Analysis and Policy	4
ECON 513	The Practice of Econometrics	4
ECON 594abz	Master's Thesis	4
	Electives	8
POLICY, PLANNING, AND DEVELOPMENT		UNITS
PPD 500	Cross Sectoral Governance	4
PPD 524	Planning Theory	2
PPD 526	Comparative International Development	2
PPD 527	The Social Context of Planning	2
PPD 529	Legal Environment of Planning	2

Note: 2-unit courses may be offered in seven-and-a-half week blocks.

Laboratory/Workshops: PPD 531L (4, 4) and/or PPD 532L (4, 4) to total 8 units.

Electives: 14 units of elective courses taken within the School of Policy, Planning, and Development.

Dual degree students, like all other M.Pl. students, must take a comprehensive examination and fulfill the internship requirement.

Thesis: A thesis is required on a subject interrelating economics and urban planning and development. Students must register in a minimum of 4 units of ECON 594abz (2-2-0) and maintain continuous registration until completion of the thesis.

During the summer after the first year of graduate study, the student normally serves an internship in a planning organization. The student must complete a thesis acceptable to both faculties.

Master of Planning/Master of Arts in Politics and International Relations

The School of Policy, Planning, and Development and the School of International Relations jointly offer a three-year program leading to both M.A. and M.Pl. degrees. Applicants must apply to the School of Policy, Planning, and Development and the School of International Relations and meet the requirements for admission to both. Students interested in this program are required to take the Graduate Record Examinations (GRE).

Requirements for the dual degree program are 56 units, including 24 units in the School of International Relations and 32 units in the School of Policy, Planning, and Development.

INTERNATIONAL RELATIONS		UNITS
IR 517	International Policy Analysis	4
	one course that focuses on a specific region	4
	one functional course from the following:	4
IR 502	Conflict and Cooperation	
IR 509	Culture, Gender and Global Society	
IR 521	Introduction to Foreign Policy Analysis	
IR 541	Politics of the World Economy	
POLICY, PLANNING, AND DEVELOPMENT		UNITS
PPD 500	Cross-Sectoral Governance	4
PPD 524	Planning Theory	2
PPD 525	Statistics and Arguing from Data	2
PPD 526	Comparative International Development	2
PPD 527	The Social Context of Planning	2
PPD 528	The Urban Economy	2
PPD 529	Legal Environment of Planning	2

Note: 2-unit courses may be offered in seven-and-a-half week blocks.

Laboratory/Workshops: PPD 531L (4, 4), PPD 532L (4, 4) to total 8 units.

Electives: 8 units of elective courses in planning (including one methods class) taken within the School of Policy, Planning, and Development.

Dual degree students, like all other M.Pl. students, must take a comprehensive examination and fulfill the internship requirement. Students in the dual degree program must complete a substantive paper or alternative project. The requirements, standards and evaluation procedure for the substantive paper are identical to those listed for the M.A. in Politics and International Relations except that one member of the examining committee must come from the School of Policy, Planning, and Development.

Master of Planning/Master of Real Estate Development

The Master of Planning/Master of Real Estate Development dual degree program enables students to expand their skills in planning, land development, market analysis, finance and economics. Exposure to both fields becomes an educational as well as a professional asset for careers in either real estate development or planning. This dual degree program normally requires five semesters, including one summer, in residence.

Requirements

A total of 74 units is required for the dual degree, all from within the School of Policy, Planning, and Development.

PLANNING CORE		UNITS
PPD 500	Cross-Sectoral Governance	4
PPD 524	Planning Theory	2
PPD 525	Statistics and Arguing from Data	2
PPD 526	Comparative International Development	2
PPD 527	The Social Context of Planning	2
PPD 531L	Core Laboratory Workshop, or	
PPD 532L	International Planning and Development Laboratory Workshop	4
		16
REAL ESTATE CORE		UNITS
RED 500	Real Estate Development and the Economy	2
RED 509	Market Analysis for Real Estate	4
RED 541	Finance Fundamentals for Real Estate Development	2
RED 542	Finance of Real Estate Development	3
RED 544	Real Estate Capital Markets	2
RED 546	Applications of Real Estate Finance to Problems of Development	3
RED 547	Project Management and Construction	2
RED 551	The Approval Process	4
RED 562	Legal Issues in Real Estate Development	4
RED 574	Building Typologies	2
RED 575L	Community Design and Site Planning	4
RED 598	Real Estate Product Development	2

Note: 2-unit courses may be offered in seven-and-a-half week blocks.

Electives: 12 units of PPD courses and 12 additional units of elective courses taken within the School of Policy, Planning, and Development.

Students are also required to complete a comprehensive examination. Students have the option of selecting either the existing M.Pl. or existing M.R.E.D. examination.

The internship requirement is waived for students who enter the program with professional experience in either planning, real estate or a related field.

Master of Planning/Master of Science in Gerontology

The M.S./M.Pl. dual degree is one of a few in the nation which combines the knowledge of the older population with the skills needed to plan services for older people. The M.Pl. prepares the graduate for the responsibilities involved in development of public and private institutions and programs. The M.S. indicates a special focus on the older person and the skills to analyze and design programs for this growing population.

Requirements

Requirements for completion of the dual degree program are 66 units including 26 units in gerontology, 36 units in planning and a minimum of 4 units of thesis in either gerontology or planning, as follows:

GERONTOLOGY		UNITS
GERO 510	Physiology of Development and Aging	4
GERO 520	Life Span Developmental Psychology	4
GERO 530	Life Span Developmental Sociology	4
GERO 540	Social Policy and Aging	4
GERO 591z	Field Practicum	6
GERO elective		4

POLICY, PLANNING, AND DEVELOPMENT		UNITS
PPD 500	Cross-Sectoral Governance	4
PPD 524	Planning Theory	2
PPD 525	Statistics and Arguing from Data	2
PPD 526	Comparative International Development	2
PPD 527	The Social Context of Planning	2
PPD 528	The Urban Economy	2
PPD 529	Legal Environment of Planning	2

Note: 2-unit courses may be offered in seven-and-a-half week blocks.

Specialization Methodology: A 4-unit course selected from list shown in M.Pl. program.

Laboratory/Workshops: PPD 531L (4, 4) and/or PPD 532L (4, 4) to total 8 units.

Electives: 8 units of elective courses taken within the School of Policy, Planning, and Development.

Thesis: A thesis is required on a subject inter-relating gerontology and planning. Students must register in a minimum of 4 units of PPD 594abz (2,2,0) or GERO 594abz (2,2,0). Students must maintain continuous registration until completion of the thesis.

Master of Planning/Master of Landscape Architecture

The dual degree option in planning and landscape architecture (within the USC School of Architecture) trains professionals in policy and design, and to be competent with design problems at different scales, but with a distinctly urban focus. Candidates must already possess a degree in architecture. The dual degree program normally requires five semesters in residence.

Requirements

Completion of the dual degree requires 66 units, including 20 units of specified courses in landscape architecture, 24 units of courses in urban planning, 10 units of elective courses and 12 units of thesis option I or directed design research option II.

The specified courses are those required for the Master of Landscape Architecture degree.

LANDSCAPE ARCHITECTURE		UNITS
ARCH 532	Elements of the Urban Landscape	2
ARCH 533	Urban Landscape Case Studies	2
ARCH 561	Architecture in the Urban Landscape: Projects and Places	2
ARCH 563	Architecture in the Urban Landscape: Comparative Theories	2
ARCH 597abzL	Landscape Architecture Thesis Option I, or	
ARCH 598abzL	Landscape Architecture Directed Design Research	4-8-0
Electives		10
STUDIO		UNITS
ARCH 542abL	Landscape Architecture Design	6-6

POLICY, PLANNING, AND DEVELOPMENT		UNITS
PPD 500	Cross-Sectoral Governance	4
PPD 524	Planning Theory	2
PPD 525	Statistics and Arguing from Data	2
PPD 526	Comparative International Development	2
PPD 527	The Social Context of Planning	2
PPD 528	The Urban Economy	2
RED 573	Design History and Criticism	2

Note: 2-unit courses may be offered in seven-and-a-half week blocks.

Electives: 8 units of elective courses taken within the School of Policy, Planning, and Development.

Dual degree students, like all other M.Pl. students, must take a comprehensive examination and fulfill the internship requirement.

Master of Planning/Master of Public Administration

The Master of Planning/Master of Public Administration dual degree program is designed for the study of the relationships between planning and public administration. Administrative skills, budgeting and fiscal analysis, a knowledge of operations services of local governments, and formulation and conduct of planning operations within the context of municipal management are required. This dual degree program normally requires five semesters in residence.

Requirements

Requirements for completion of the dual degree program are 60 units, including 28 units in public administration and 32 units in planning, as follows:

Prerequisites: 12 undergraduate course credit units of social science, not more than 8 units in any one field, are required. Students must also satisfy the M.P.A. statistics prerequisite and other prerequisites. PPD 525 satisfies the School of Policy, Planning, and Development prerequisite in descriptive and inferential statistics for students in the Master of Planning/Master of Public Administration dual degree program. Dual degree students completing PPD 525 with a grade of B or higher (A = 4.0) need not take PPD 404x Statistics for Policy, Planning, and Development.

PUBLIC ADMINISTRATION **UNITS**

PPD 500	Cross-Sectoral Governance	4
PPD 501	Public Sector Economics	4
PPD 540	Public Administration and Society	4
PPD 541	Public Financial Management and Budgeting	4
PPD 542	Policy and Program Evaluation, or	
PPD 557	Quantitative Analysis I, or	
PPD 666	Administrative Research and Analysis	4
PPD 545	Human Behavior in Public Organization	4
PPD 546	Professional Practice of Public Administration	4

URBAN AND REGIONAL PLANNING **UNITS**

PPD 524	Planning Theory	2
PPD 525	Statistics and Arguing from Data	2
PPD 526	Comparative International Development	2
PPD 527	The Social Context of Planning	2
PPD 528	The Urban Economy	2
PPD 529	Legal Environment of Planning	2

Note: 2-unit courses may be offered in seven-and-a-half week blocks.

Laboratory/Workshops: PPD 531L (4, 4) and/or PPD 532L (4, 4) to total 8 units.

Electives: 12 units of elective courses taken within the School of Policy, Planning, and Development. Dual degree students who complete PPD 404x with a grade of C or higher need not take PPD 525. Instead, dual degree students who complete PPD 404x should take an additional four units of Policy, Planning, and Development elective courses for a total of 16 elective units.

Dual degree students, like all other M.Pl. students, must take a comprehensive examination and fulfill the internship requirement.

Master of Planning/Master of Public Art Studies

The Master of Planning/Master of Public Art Studies dual degree program offers an unusually rich opportunity for students interested in developing a new knowledge base to become a successful professional working in the arena of public art administration, planning and community development. Los Angeles and the facilities at USC provide a unique learning laboratory to graduate a more competitive professional with a better understanding of both the administration of public art and issues of urban planning.

Students must complete the following requirements in this program: 64 units, including 22 units in public art studies, 22 in urban planning and development, and 20 in a field of study with no more than 8 units taken from other USC programs.

PUBLIC ART STUDIES (22 UNITS) **UNITS**

PAS 561	Administration Survey	3
PAS 562	Administration and Program Development	3
PAS 571	History Survey	3
PAS 572	History	3
PAS 581	Forum	2
PAS 585	Public Space, the Public Realm and Public Art	3
PAS 591	Field Internship Experience	1
PAS 594ab	Master's Thesis, or	
PAS 593ab	Final Thesis Project	2-2

POLICY, PLANNING, AND DEVELOPMENT (22 UNITS) **UNITS**

PPD 500	Cross-Sectoral Governance	4
PPD 524	Planning Theory	2
PPD 525	Statistics and Arguing from Data	2
PPD 526	Comparative International Development	2
PPD 528	The Urban Economy	2
PPD 529	Legal Environment of Planning	2
PPD 531L	Core Laboratory Workshop	4
PPD 627	Design Skills for Urban Planners	4

Note: 2-unit courses may be offered in seven-and-a-half week blocks.

Dual degree students, like all other M.Pl. students, must take a comprehensive examination and fulfill the internship requirement.

Field of Study (20 units)

No more than 8 units from outside the Schools of Fine Arts and Policy, Planning, and Development

Capstone Projects

Students must complete a master's thesis or final thesis project through the School of Fine Arts and the M.Pl. comprehensive examination through the School of Policy, Planning, and Development.

Internship

All students must complete 400 hours of internship through the School of Policy, Planning, and Development. This internship may be partially or completely fulfilled through prior professional experience.

Master of Planning/Master of Social Work

The dual degree program between social work and planning offers unique opportunities for students who want to devote their professional careers to social policy, social planning or social services delivery. Students with a dual degree will have broader employment options beyond those in traditional planning or social work.

The schedule of courses allows students to experience direct service in the first year so that course work planning is supplemented by a knowledge of consumers, service delivery, etc. Courses for both schools are taken simultaneously, intermingling social work and planning content. Two years of field practicums in social work provide in-depth exposure to social service issues from both planning and direct service perspectives, thus satisfying some of the planning laboratory/workshop requirements and eliminating the need for a separate planning internship requirement.

Requirements

Requirements for completion of the M.S.W./M.Pl. degree are 83 units including 51 units in social work and 32 units in planning. Students must select a community organization, planning and administration concentration in the second year of their social work program.

SOCIAL WORK **UNITS**

SOWK 503	Human Behavior and the Social Environment I	3
SOWK 505	Human Behavior and the Social Environment II	3
SOWK 534	Policy and Practice in Social Service Organizations	3
SOWK 543	Social Work Practice with Individuals and Families	4
SOWK 545	Social Work Practice with Groups and Complex Cases	2
SOWK 562	Social Work Research	3
SOWK 586ab	Field Practicum	3-3
SOWK 587ab	Integrative Learning for Social Work Practice	2-2
SOWK 599	Special Topics (approved by concentration)	3
SOWK 611	Leadership in the Social Work Profession and Organization	3
SOWK 629	Evaluation of Research: Community Organization, Planning and Administration	3
SOWK 648	Management for Community and Social Services	3
SOWK 686ab	Field Practicum II	4-4

and one of the following:

SOWK 603	Merging Policy, Planning, and Research for Change in Families and Children's Settings	3
SOWK 636	Social Policy: Health Care	3
SOWK 672	Improving Work Life Through Social Policy and Managing Organizational Development and Change	3

POLICY, PLANNING, AND DEVELOPMENT

PPD 500	Cross-Sectoral Governance	4
PPD 524	Planning Theory	2
PPD 525	Statistics and Arguing from Data	2
PPD 526	Comparative International Development	2
PPD 527	The Social Context of Planning	2
PPD 528	The Urban Economy	2
PPD 529	Legal Environment of Planning	2
PPD 628	Urban Planning and Social Policy	4

Note: 2-unit courses may be offered in seven-and-a-half week blocks.

Laboratory/Workshops: PPD 531L (4) and/or PPD 532L (4) for 4 units.

Electives: 8 units of elective courses taken within the School of Policy, Planning, and Development.

Dual degree students, like all over M.Pl. students, must take a comprehensive examination and fulfill the internship requirement.

Master of Real Estate Development/Juris Doctor

The Juris Doctor/Master of Real Estate Development dual degree program provides the opportunity for in-depth study of legal issues and real estate development. The increasingly regulatory environment developers work within demands that professionals in the real estate industry have a strong understanding of the legal system. Lawyers who plan to specialize in real estate law will benefit from a thorough understanding of the development process, including financial, planning, marketing and design issues. Application must be made to both the USC Gould School of Law and the School of Policy, Planning, and Development. This program normally requires three years (including one summer) of full-time study in residence to complete.

Requirements for completion of the dual degree program are 110 units, including 78 units in law and 34 units in planning and development. To earn the J.D., all students

(including dual degree students) must complete 35 numerically graded law units at USC after the first year. The associate dean may make exceptions to this rule for students enrolled in Law School Honors programs.

LAW SCHOOL		UNITS
LAW 502	Procedure I	4
LAW 503	Contracts	4
LAW 504	Criminal Law	3
LAW 505	Legal Profession	3
LAW 507	Property	4
LAW 508	Constitutional Law I	4
LAW 509	Torts I	4
LAW 512	Law, Language, and Ethics	3
LAW 515	Legal Research, Writing, and Advocacy I	2
LAW 516	Legal Research, Writing and Advocacy II	2
LAW electives including fulfillment of the upper division writing requirement (2)		45

POLICY, PLANNING, AND DEVELOPMENT

		UNITS
RED 500	Real Estate Development and the Economy	2
RED 509	Market Analysis for Real Estate	4
RED 541	Finance Fundamentals for Real Estate Development	2
RED 542	Finance of Real Estate Development	3
RED 544	Real Estate Capital Markets	2
RED 546	Applications of Real Estate Finance to Problems of Development	3
RED 547	Project Management and Construction	2
RED 551	The Approval Process	4
RED 573	Design History and Criticism	2
RED 574	Building Typologies	2
RED 575L	Community Design and Site Planning	4
RED 598	Real Estate Product Development	2
Elective from the School of Policy, Planning, and Development		2

Students are required to complete a comprehensive examination administered by faculty members from both the Law School and the School of Policy, Planning, and Development.

Students must have an approved laptop computer as required by instructors and must demonstrate calculator and spreadsheet skills.

Master of Real Estate Development/Master of Business Administration

The Master of Real Estate Development/Master of Business Administration dual degree program enables students to expand their skills in planning, land development, marketing, decision sciences, accounting, management, finance and economics. The program is targeted for students who have a clear career goal of becoming real estate developers but who lack formal training in business. The program normally requires two years (including summers) of full-time study in residence to complete.

Requirements

A total of 82 units is required. Required courses include: all courses required in an M.B.A. core program; FBE 565 Economics of Urban Land Use – Feasibility Studies (3 units); FBE 588 Advanced Real Estate Law (3 units); graduate business electives sufficient to bring the total units completed in the Marshall School of Business to at least 48; and Policy, Planning, and Development courses (34 units). Dual degree students may not count courses taken outside the Marshall School of Business toward the 48 units.

Students must have an approved laptop computer as required by instructors and must demonstrate calculator and spreadsheet skills.

POLICY, PLANNING, AND DEVELOPMENT

		UNITS
RED 500	Real Estate Development and the Economy	2
RED 509	Market Analysis for Real Estate	4
RED 542	Finance of Real Estate Development	3
RED 544	Real Estate Capital Markets	2
RED 546	Applications of Real Estate Finance to Problems of Development	3
RED 547	Project Management and Construction	2
RED 551	The Approval Process	4
RED 573	Design History and Criticism	2
RED 574	Building Typologies	2
RED 575L	Community Design and Site Planning	4
RED 598	Real Estate Product Development	2
Elective from School of Policy, Planning, and Development		4

Comprehensive Examination: Students are required to complete a comprehensive examination administered by faculty members from both the Marshall School of Business and the School of Policy, Planning, and Development.

Master of Public Administration and Master of Science in Gerontology

The Master of Public Administration/Master of Science in Gerontology (M.P.A./M.S.) dual degree offers students interested in management of agencies and institutions the opportunity to gain in-depth knowledge of the administrative and organizational processes and management skills necessary for the effective delivery of services to older persons.

In the M.P.A./M.S. dual degree, students spend their first year taking the required courses in the USC Davis School of Gerontology. The research course, GERO 593 Research Methods and the capstone course GERO 555 Integrating Gerontology: A Multidisciplinary Approach, are taken in the Davis School of Gerontology. The student begins courses in the School of Policy, Planning, and Development during the second semester of the first year.

Two versions of this dual degree are available, one with a general orientation and one with an emphasis on health services administration. Students must apply to both schools and, if accepted to both, participate in a specially designed program combining course work from both schools.

Curriculum requirements for the general focus dual degree are detailed in the Davis School of Gerontology section of this catalogue. Students are encouraged to seek advisement as they plan their actual programs, since curriculum changes may occur.

GERONTOLOGY REQUIREMENTS		UNITS
GERO 510	Physiology of Development and Aging	4
GERO 520	Life Span Development Psychology	4
GERO 530	Life Span Development Sociology	4
GERO 540	Social Policy and Aging Administration and System Management in Programs for Older Adults	4
GERO 555	Integrating Gerontology: A Multidisciplinary Approach	4
GERO 591z	Field Practicum	8
GERO 593	Research Methods	4
Gerontology skills related elective		4
		40

PUBLIC ADMINISTRATION REQUIREMENTS		UNITS
PPD 500	Cross-Sectoral Governance	4
PPD 501	Public Sector Economics	4
PPD 540	Public Administration and Society	4
PPD 541	Public Financial Management and Budgeting	4
PPD 542	Policy and Program Evaluation, or	4
PPD 557	Quantitative Analysis I, or	
PPD 666	Administrative Research and Analysis	4
PPD 545	Human Behavior in Public Organizations	4
PPD 546	Professional Practice of Public Administration	4
		28

Program Adaptation

See the USC Leonard Davis School of Gerontology, page 634.

Master of Health Administration and Master of Science in Gerontology

A dual Master of Health Administration and Master of Science in Gerontology (M.H.A./M.S.) is offered jointly by the School of Policy, Planning, and Development and the USC Leonard Davis School of Gerontology. Students in the dual degree program must be admitted by both academic units and complete 72 units of post-graduate academic work. See the Leonard Davis School of Gerontology section of this catalogue for requirements for admission and curriculum for the dual degree program.

Master of Long Term Care Administration

This program is designed to prepare competent individuals to administer the long term care needs of America's elderly population. It is jointly offered by the Leonard Davis School of Gerontology, the Marshall School of Business, and the School of Policy, Planning and Development. For information see the School of Gerontology, page 631.

Master of Public Administration/Master of Arts, Politics and International Relations

The School of Policy, Planning, and Development and the School of International Relations jointly offer a three-year program leading to both M.A. and M.P.A. degrees (students may extend the dual degree program to four years). Applicants must apply to the School of Policy, Planning, and Development and the School of International Relations and meet requirements for admission to both. Students interested in this program are required to take the Graduate Record Examinations (GRE).

Requirements

Students pursuing the dual degree must complete the degree requirements at the School of Policy, Planning, and Development and at least 24 units within the School of International Relations.

INTERNATIONAL RELATIONS		UNITS
IR 517	International Policy Analysis	4
one course that focuses on a specific region		4
one functional course from the following:		4
IR 502	Conflict and Cooperation	
IR 509	Culture, Gender and Global Society	
IR 521	Introduction to Foreign Policy	
IR 541	Politics of the World Economy	
		12

POLICY, PLANNING, AND DEVELOPMENT		UNITS
PPD 500	Cross-Sectoral Governance	4
PPD 501	Public Sector Economics	4
PPD 540	Public Administration and Society	4
PPD 541	Public Financial Management and Budgeting	4
PPD 542	Policy and Program Evaluation, or	
PPD 557	Quantitative Analysis I, or	
PPD 666	Administrative Research and Analysis	4
PPD 545	Human Behavior in Public Organizations	4
PPD 546	Professional Practice of Public Administration	4
		28

Electives: 12 units of elective courses taken from the School of International Relations.

Like all other M.A. students, students in the dual degree program must complete a substantive paper or alternative project. The requirements, standards and evaluation procedure for the substantive paper are identical to those listed for all M.A., International Relations students except that one member of the examining committee must come from the School of Policy, Planning, and Development. Students must also meet the statistics prerequisite and internship requirement of the M.P.A.

Master of Public Administration and Juris Doctor

The dual degree program with the USC Gould School of Law and the School of Policy, Planning, and Development enables qualified students to earn a Juris Doctor/Master of Public Administration (J.D./M.P.A.) in approximately four years of study.

Some of the topics covered in the Law School are also covered in the program of the School of Policy, Planning, and Development, so some credit toward the law degree may appropriately be given for specified graduate work taken in the School of Policy, Planning, and Development. Similarly, some credit toward the master's degree may appropriately be awarded for certain work completed in the Law School. The goal of the program is to encourage law students to gain a recognized competence in administration, which has a direct relevance for the roles lawyers are asked to play in society.

Students must apply to, and be accepted by, both schools. They may be accepted to a dual degree program at the time of their acceptance to the Law School or at the beginning of their second year of law school. The program requires the completion of the required first year of law school and the fulfillment of a statistics prerequisite, either by passing a proficiency examination or by successfully completing PPD 404x Statistics for Policy, Planning, and Development before beginning work on the M.P.A. To earn the J.D., all students (including dual degree students) must complete 35 numerically graded law units at USC after the first year. The associate dean may make exceptions to this rule for students enrolled in Law School Honors programs.

Credit toward the law degree may not be given for graduate work completed prior to the completion of the first year of law school. The School of Policy, Planning, and Development, on the other hand, may allow some credit toward the M.P.A. for approved work completed prior to the first year of law school.

Students are required to complete 97 units of course work.

Curriculum Requirements

First Year Required Law School courses

Second and Third Year The remaining 39 units of law school courses, 32 additional units of public administration courses. These courses are from the M.P.A. core (PPD 500, PPD 501, PPD 540 and PPD 546) and management competencies (PPD 542 or PPD 557 or PPD 666, PPD 541, PPD 545) and a PPD elective.

Master of Public Policy and Juris Doctor

The School of Policy, Planning, and Development and the USC Gould School of Law offer a dual degree that enables qualified students to earn both a Juris Doctor and a Master of Public Policy in approximately four years of study.

The dual degree allows students to acquire a blend of the analytic skills of public policy and an understanding of legal institutions and processes. This combination of knowledge is well suited for law students who want to affect the policy-making process and craft legislation to aid in the achievement of public policy goals. It is equally appropriate for prospective policy analysts who are interested in law and public policy.

Students must apply to, and be accepted by, both schools. They may be accepted to the dual degree at the time of their acceptance to the Law School or at the beginning of their second year of law school. Dual degree students spend the first year of the program completing the required first year of law school. The remaining units of law school courses and the required 36 units of core M.P.P. courses are taken by students in the second through fourth years.

Students are required to complete 112 units of course work, 76 units in the Law School and 36 units in the School of Policy, Planning, and Development. To earn the J.D., all students (including dual degree students) must complete 35 numerically graded law units at USC after the first year. The associate dean may make exceptions to this rule for students enrolled in Law School Honor programs. The M.P.P. program has a statistics prerequisite that can be satisfied either by passing a proficiency examination or by successfully completing PPD 404x Statistics for Policy, Planning, and Development.

The required M.P.P. courses are PPD 500, PPD 501, PPD 554, PPD 557, PPD 558, PPD 559, PPD 560, PPD 561 and a management competency course approved by the M.P.P. director.

Master of Public Administration and Master of Social Work

The Master of Public Administration/Master of Social Work (M.P.A./M.S.W.) dual degree offers students interested in careers as administrators of social agencies the opportunity to prepare for social work while developing the administrative capabilities necessary in the public sector.

The M.P.A./M.S.W. will require two calendar years of full-time study. The first academic year is devoted to the standard social work first year curriculum. During the second year, the curriculum combines social work and public administration course work. The curriculum for both summers will be in public administration.

Students can enter this program only with the written consent of both schools. Students who apply initially to the USC School of Social Work must declare their intention to pursue the M.P.A./M.S.W. dual degree at the time of their application. If admission is approved, such students will be admitted to the dual degree program. Social work students selecting this program are required to select the Community Organization, Planning and Administration concentration in their second year program. However, students who have substantial prior supervisory or administrative experience can petition the dean of the School of Social Work to waive this concentration requirement.

Students must complete 82 units (54 in social work and 28 in public administration).

SOCIAL WORK (54 UNITS)		UNITS
SOWK 503	Human Behavior and the Social Environment I	3
SOWK 505	Human Behavior and the Social Environment II	3
SOWK 534	Policy and Practice in Social Service Organizations	3
SOWK 535	Social Welfare	3
SOWK 543	Social Work Practice with Individuals and Families	4
SOWK 545	Social Work Practice with Groups and Complex Cases	2
SOWK 562	Social Work Research	3
SOWK 586ab	Field Practicum	3-3
SOWK 587ab	Integrative Learning for Social Work Practice	2-2
SOWK 599	Special Topics (approved by concentration)	3
SOWK 611	Leadership in the Social Work Profession and Organizations: Theory and Practice	3
SOWK 629	Evaluation of Research: Community Organization, Planning and Administration	3
SOWK 639	Social Policy for Managers, Planners, and Community Organizers	3
SOWK 648	Management for Community and Social Services	3
SOWK 686ab	Field Practicum II	8

PUBLIC ADMINISTRATION (28 UNITS)		UNITS
PPD 500	Cross-Sectoral Governance	4
PPD 501	Public Sector Economics	4
PPD 540	Public Administration and Society	4
PPD 541	Public Financial Management and Budgeting	4
PPD 546	Professional Practice of Public Administration	4
PPD electives*		8

*Electives in public administration need to be approved by the graduate advisor in the School of Policy, Planning, and Development.

Master of Public Administration and Master of Arts in Jewish Communal Service

The Master of Public Administration/Master of Arts in Jewish Communal Service (M.P.A./M.A.) has been developed to prepare those who want to make a career in Jewish communal service. Students receive a solid academic and experiential foundation in the American Jewish experience — its history, culture and ways of getting things done — combined with the theory and practice of community organization and administration.

Students must complete 88 units of course work, 36 in public administration, and must serve 24 months in supervised field work. There is an opportunity to spend either 12 months in Sacramento, California, or Washington, D.C. At these sites, students attend classes while serving internships in the offices of politicians, lobbyists or other advocates.

Students must meet admission requirements and be admitted by both the School of Policy, Planning, and Development and Hebrew Union College.

Curriculum Requirements

The program begins in June of each year and students participate for the next 24 months. Students are expected to work out individual course plans with advisors from each school.

In addition to applying to the School of Policy, Planning, and Development, those interested in the program should contact the Office of Admissions, Hebrew Union College — Jewish Institute of Religion, 3077 University Avenue, Los Angeles, CA 90007-3796, for comprehensive information about its requirements.

Public administration course work may be taken in Los Angeles or Sacramento. In Sacramento, a student will complete the PPD core and elective courses, will take independent study with an HUC professor, and will serve in an internship while enrolled in HUC fieldwork classes.

PUBLIC ADMINISTRATION REQUIREMENTS		UNITS
PPD 500	Cross-Sectoral Governance	4
PPD 501	Public Sector Economics	4
PPD 540	Public Administration and Society	4
PPD 541	Public Financial Management and Budgeting	4
PPD 545	Human Behavior in Public Organizations	4
PPD 546	Professional Practice of Public Administration	4
PPD 542	Policy and Program Evaluation, or	4
PPD 557	Quantitative Analysis I, or	4
PPD 666	Administrative Research and Analysis	4
PPD electives (2)*		8

AN ELECTIVE IS DEFINED AS ONE OF THE FOLLOWING COURSES:

PPD 516x	Financial Accounting in the Public and Nonprofit Sectors
PPD 668	Entrepreneurship and the Public Sector
PPD 675	Nonprofit Management and Leadership
PPD 689	The Voluntary Nonprofit Sector and Public Policy

Substitutions for the two electives may be requested by petition to the graduate advisor in the School of Policy, Planning, and Development.

Field Work Requirement

Throughout the program, students are expected to serve in supervised internships. Fieldwork is administered cooperatively by the faculties of Hebrew Union College and the School of Policy, Planning, and Development.

Regulations Concerning a Second Master's Degree

For rules governing a second master's degree, see page 82 of this catalogue. In accordance with these policies, transfer credits will be granted only on the basis of a written petition to the M.P.A. program coordinator and on the basis of credits recognized by USC in a Transfer Credit Statement.

Teaching Opportunities

Students may want to prepare for teaching as well as for public service. By careful planning in the upper division of the undergraduate degree and during the graduate years, requirements for a bachelor's degree, a master's degree and the university recommendation for a community college instructorship may be met without unnecessary duplication of effort and waste of time. Those interested in teaching should consult advisors in both the School of Policy, Planning, and Development and the USC Rossier School of Education before beginning upper division and graduate work.

Public Administration Professional Sequence with the School of Engineering

Regulations governing the Master of Science in Civil Engineering permit some candidates for this degree to take 12 units outside the School of Engineering. Those who wish to do so may take 12 units (three courses) in public administration. Two courses in this sequence must be selected from among PPD 500, PPD 501, PPD 540, PPD 541, PPD 545, PPD 546. One course in this sequence must be selected from among PPD 542, PPD 557, PPD 666. PPD 541 requires PPD 501 and statistics as prerequisites. PPD 546 should be taken last if elected.

Joint Degree Program

Master of Construction Management

Curriculum Requirements

Students possessing a bachelor's degree and with sufficient training in capital management and statistics may work toward the Master of Construction Management. This is an interdisciplinary degree program offered jointly by the Department of Civil Engineering and the School of Policy, Planning, and Development.

A single application is made to the Department of Civil Engineering. The purpose of the Master of Construction Management program is to educate and train multidisciplinary professionals to understand and execute the broad array of technical and non-technical activities associated with construction management. The program provides special attention to the function of the constructor in real estate development.

The core of the program is drawn from the Master of Science in Civil Engineering program in construction engineering and management and from the School of Policy, Planning, and Development's Master of Real Estate Development program:

Applicants to the program are expected to have completed undergraduate course work in engineering economy or business finance.

CORE CURRICULUM		UNITS
ARCH 511L	Seminar: Building Systems	4
CE 501	Functions of the Constructor	3
CE 502	Construction Accounting and Finance, or	
GSBA 510	Accounting Concepts and Financial Reporting	3
CE 556ab	Project Cost Estimating and Control	3-3
RED 509	Market Analysis for Real Estate, or	4
RED 598	Real Estate Project Development	2-4, max 12
RED 542	Finance of Real Estate	3
Additional advisor approved technical and advanced electives		10
		<hr/> 33

The minimum requirement for the Master of Construction Management degree is 33-34 units. At least three elective courses totaling at least nine units are required for this degree. These may be taken from the Department of Civil Engineering, other engineering departments, the School of Policy, Planning, and Development, the School of Architecture, the Leonard Davis School of Gerontology, the Law School or the Marshall School of Business subject to advisor approval. Admission to some classes requires advanced prerequisites and is subject to availability and approval of the instructor.

Residence and Course Load

The normal time required for earning the Master of Construction Management is three semesters, including one summer session beginning in July and continuing through the spring semester ending in May. Students are expected to participate in extracurricular activities associated with the Master of Construction Management program, including the speaker series and field trips. A candidate must complete the last four semester units of course work at USC.

Students who wish a leave of absence for a semester or longer must request it from the chairman of the Department of Civil Engineering in writing. Such leaves may be granted for up to one year.

Time Limits

It is expected that the work for a Master of Construction Management degree will be completed within a maximum of five calendar years. An extension of up to one year at a time may be granted for a maximum of two years. Courses taken more than seven years prior to the date upon which the degree is to be awarded cannot be included for the degree.

Grade Point Average

A grade point average (GPA) of 3.0 (A = 4.0) is required for the Master of Construction Management degree. The minimum GPA must be earned on all course work applied toward the degree. A minimum grade of C (2.0) is required in a course to receive graduate credit. Work graded C- or below is not acceptable for subject or unit credit toward any graduate degree. Transfer units count as credit toward the Master of Construction Management degree and are not computed in the grade point average.

Probation and Disqualification

Any student with a cumulative grade point average below 3.0 for all courses taken in the program will be placed on academic probation. A student may be disqualified to continue toward a graduate degree if the student has been on academic probation for two consecutive semesters. Whether or not on academic probation or warning, a student may be disqualified at any time from continuing in the program if the chairman of the Department of Civil Engineering, after consultation with the Civil Engineering faculty and the dean of the School of Policy, Planning, and Development, determines that the student is deficient in academic achievement or in another qualification required for the attainment of the Master of Construction Management degree.

Course Exemptions and Transfer of Credits

Up to 4 transferred units will be accepted from another engineering school with the approval of the Department of Civil Engineering.

Real estate development classes may not be transferred from other schools. Courses taken toward other degree programs, if determined by the dean of the School of Policy, Planning, and Development to be equivalent to real estate development courses in the construction management curriculum, may be accepted for subject credit only. The acceptance of previous course work for subject credit will enable the student to take additional elective courses. Real estate development courses taken at USC prior to admission to the Master of Construction Management program may be applied toward the Master of Construction Management degree.

Doctoral Degrees

The School of Policy, Planning, and Development offers the Doctor of Philosophy in Policy, Planning, and Development (Ph.D.) and the Doctor of Planning and Development Studies (D.P.D.S.). The Ph.D. degree is designed to prepare individuals for university level teaching and research. The D.P.D.S. degree is intended to develop a high level of conceptual and research competence for professional leadership in planning and development. The D.P.D.S. is administered by the School of Policy, Planning, and Development; the Ph.D. is administered by the Graduate School and the faculty of the

School of Policy, Planning, and Development. Ph.D. students must consult the Graduate School section of this catalogue for regulations and requirements pertaining to its degrees. Students should also consult the Academic Policies section of this catalogue.

Completion of the requirements for all of these degrees is assumed to take a minimum of three years of approved graduate study and research beyond the bachelor's degree. For the Ph.D. student, a minimum of 24 graduate units completed in residence on the University Park campus in Los Angeles is required. D.P.D.S. students are required to complete a

minimum of 12 units at the University Park campus. Full-time study is represented by enrollment in 6 units during the semester. Usually, the school and the student's guidance committee insist on a clear and mutually understood commitment of time and energy by the student to ensure significant involvement in the doctoral learning experience. For university policies regarding continuous enrollment, leave of absence and re-admission, see page 83 of this catalogue.

Application and Admission

Admission to graduate standing for the Ph.D. or D.P.D.S. is recommended by the school's admissions committee acting under guidelines established by the Graduate School as outlined in the Graduate School section, page 91, and the Graduate Admission section, page 76. In addition to those guidelines, D.P.D.S. students are expected to have a minimum of five years of substantial relevant experience. Students intending to apply should direct questions about the program and all materials for the admission application to Doctoral Programs, Office of Student Affairs, RGL 111, School of Policy, Planning, and Development, University of Southern California, University Park, Los Angeles, CA 90089-0626.

The deadline for applications for admission to the Ph.D. and D.P.D.S. programs is December 1. Applications for admission are made once each year for a fall semester admission.

Doctoral program applicants may be allowed to take master's level courses before the admission process is completed. Students may not take 600-level course work until after formal admission.

The admission decision for Ph.D. students is made using criteria which include verification that the applicant has a bachelor's degree from an accredited college or university, has maintained a high grade point average in the last 60 units of undergraduate work, and has earned a competitive score on the verbal and quantitative portions of the Graduate Record Examinations (GRE). Other elements of the applicant's educational and experiential background are also evaluated, including performance in other advanced degrees. D.P.D.S. applicants must also provide evidence of at least five years of practical administrative or other relevant experience. The GRE and GMAT scores are neither accepted nor required for the D.P.D.S. program.

Each applicant should submit the following: (1) one copy of official transcripts of all previous college and university work (be sure that these official transcripts show an awarded degree where appropriate); (2) copies of GRE scores; (3) a 1000-word essay discussing the applicant's background and reasons for wanting to pursue a Ph.D. degree and identifying his or her personal, educational and professional goals; (4) an up-to-date resume, including academic and professional accomplishments; (5) three letters of recommendation, two from previous instructors, the other from an instructor or from a professional supervisor or colleague. The letters should indicate the applicant's academic and professional accomplishments and potential;

(6) a completed USC Graduate Admission Application, along with the nonrefundable application fee; (7) a writing sample of approximately 1,000 words (in addition to the applicant essay); and (8) a completed School of Policy, Planning, and Development Supplemental Graduate Application. International applicants are asked to submit additional information. See the International Admissions section under Master of Public Administration in this catalogue. Applicants should carefully choose, and clearly state, the degree objective (Ph.D. or D.P.D.S.) for which they are applying, since different sets of admissions criteria exist for each of them.

Transfer Credits

The application of any available transfer credits toward a graduate degree at USC will be determined by the faculty of the School of Policy, Planning, and Development, based on the semester units available for transfer as shown in the Transfer Credit Statement. Refer to Transfer of Course Work, page 80, for more information.

Students entering the doctoral program with a master's degree in a relevant area may be admitted with advanced standing in the Ph.D. in Policy, Planning, and Development. All students must complete a minimum of 36 units of doctoral classes, exclusive of the dissertation, at USC. Evaluation of advanced standing is normally conducted as part of the student's screening.

Deferral of Enrollment

Admission to the university is granted for a specified semester, and it is expected that students will begin their programs during that semester. The school will normally allow students to defer their enrollment up to one year from the admission semester. Students who wish to defer enrollment should notify the school in writing no more than 30 days after the beginning of the semester of admission. Students who do not inform the school in a timely manner of their intent to defer enrollment may be required to reapply for admission.

Please note that more stringent regulations apply to international students. See the Admission section of this catalogue, page 77.

Admission to Candidacy

Acceptance to graduate standing does not in itself imply that the student is admitted or will be admitted to candidacy for an advanced degree. Application for admission as a candidate for an advanced degree is a separate and subsequent step. See the Graduate School section of this catalogue, page 95.

Admission of International Students

All international applicants for admission to doctoral programs should submit materials to Doctoral Programs, Recruitment and

Admissions Office, RGL 111, School of Policy, Planning, and Development, University of Southern California, University Park, Los Angeles, CA 90089-0626. See the Admission section of this catalogue, page 77.

Screening Procedure

Ph.D. students are required to pass a screening procedure after completing the core courses. D.P.D.S. students are required to pass a screening procedure after 16 units of course work. The procedure is designed to ensure that only those students who have demonstrated intellectual and scholarly potential continue in the program.

There are differences between the screening process for Ph.D. in Policy, Planning, and Development and D.P.D.S. students. Students should consult the Director of Doctoral Programs for details.

Guidance Committee

A guidance committee assists the student in outlining an academic program leading toward the degree. This committee bears responsibility for counseling the doctoral student, for approving a course schedule and preliminary and qualifying examinations, and for recommending the student for admission to candidacy. After approval of the student's program and proposed time schedule, the program is submitted in writing to the Director of Doctoral Programs. This should be accomplished by the beginning of the second year, following successful screening.

The guidance committee is to be established by the beginning of the second year and prior to starting course work in the area of concentration. The chair should have recognized expertise in the qualifying area and should be a regular participant in the qualifying examination committee for that area. The majority of the members of the guidance committee (typically at least three out of five) should be experts in the area in which the student is qualifying and should be regular participants in the qualifying examination committee. The remaining members should have a clear interest in this area.

Students will formalize their relationship with their committees through the development of a contract which specifies all courses completed, date of screening decision, the area of concentration, and which courses will be taken and when, in order to prepare for the area section of the qualifying examination. This contract will be signed by the student, the members of the guidance committee and the faculty doctoral advisor. It will be filed in the doctoral office.

Doctor of Philosophy in Policy, Planning, and Development

The Doctor of Philosophy (Ph.D.) in Policy, Planning, and Development degree is under the jurisdiction of the Graduate School. Students should also refer to the Graduate School section of this catalogue for general regulations (page 91). All courses applied toward the degree must be courses accepted by the Graduate School.

The Doctor of Philosophy in Policy, Planning, and Development emphasizes a rigorous program of advanced study and research, stressing qualitative or quantitative analysis and the theoretical dimensions of planned intervention and social change. Within the context of governance, place and community, specialization and expertise in a substantive field such as public management, public policy, planning, or urban development is required.

Curriculum Requirements

The Doctor of Philosophy in Policy, Planning, and Development degree is administered by the doctoral committee of the school. Each student initially plans an interdisciplinary program comprising a set of core courses and two fields (inside and outside) of interest developed by the student with assistance from faculty advisors. The student must complete sufficient course work to prepare for written and oral qualifying examinations covering his or her field of interest. The student then completes the program with a dissertation which focuses on a research problem in an area related to planning, public management, public policy or urban development. The program requires the completion of 60 units of course work, comprising the following elements: master core in a substantive field (14 units), doctoral core (12 units), methodology (8 units), fields of study (20 units), teaching seminar (2 units), and dissertation (4 units minimum).

Core Curriculum

DOCTORAL CORE		UNITS
PPD 701	Knowledge and Practice	4
PPD 702	Governance, Place and the Public Sphere	4
PPD 703	Globalization and the Urban Context	4

Methodology

SELECT TWO METHODOLOGY COURSES:		UNITS
PPD 706	Paradigms of Research and the Design Inquiry	4
select one from:		
PPD 558	Qualitative Analysis II	4
PPD 707	Survey Research Methods	4
PPD 708	Qualitative Methods	4
PPD 709	Applications in Advanced Qualitative Methods	4

Those students entering the doctoral program without a master's degree in a relevant area will be required to complete 14 units of prerequisites relevant to their chosen area of specialization. Public Management: PPD 500 (4), PPD 501 (4), PPD 525 (2), PPD 545 (4); Public Policy: PPD 500 (4), PPD 501 (4), PPD 525 (2), PPD 554 (4); Planning: PPD 500 (4), PPD 524 (2), PPD 525 (2), PPD 526 (2), PPD 527 (2), PPD 528 (2); Urban Development: PPD 500 (4), PPD 525 (2), PPD 526 (2), PPD 528 (2), PPD 634 (4).

Screening Procedures

Prior to screening, the student should have completed the 12 units of the Doctor of Philosophy core.

Prior to screening, each student prepares a resume and a preliminary statement describing the fields of specialization. After passing the written screening examination, the student meets with the faculty committee to discuss the proposal for course work, fields of study and research interests. Once the student passes screening, a guidance committee is formed and its chair serves as the student's principal advisor in preparing for the qualifying examination.

Guidance Committee

Following screening, each student selects a guidance committee, which officially oversees the development of the student's academic program through the qualifying examination. Five committee members are designated to provide guidance in the field developed by the student. A minimum of three members, including at least one tenured member, must be from among the faculty participating in this Doctor of Philosophy program, and at least one member must be from outside the School of Policy, Planning, and Development.

Fields of Study

Students will take course work in two disciplines or substantive areas according to particular interests and needs. The major field should fall under the disciplinary umbrella of one of the doctoral program substantive core tracks: planning, public management, public policy or urban development. There is ample opportunity to shape a degree program to each student's background, needs and interests, while drawing upon the diversity of resources available at USC. Twenty units of course work are required for the fields of study. Students are expected to actively participate in research workshops directed by faculty and to seek teaching experience.

Qualifying Examination

The guidance committee prepares a comprehensive written examination covering the fields of study. The exact format for the written portion is determined by each committee in advance. Answers to the questions in the written portion are graded by all committee members. Following completion of the written portion, the entire committee conducts an oral examination of the student, focusing on material both complementary and supplementary to the written examination but relevant to the field and overall program selected by the student. Upon passing both portions of the qualifying examination, the student becomes a candidate for the Doctor of Philosophy degree.

As part of their advancement to candidacy, students must complete 2 units of teaching seminar courses in order. Each student should produce at least one course description and syllabus, which addresses his or her substantive core experience, and one of these must be submitted prior to taking the qualifying exam.

Transfer of Units

Graduate work may be accepted by transfer from approved graduate schools as determined by the USC Office of Academic Records and Registrar upon recommendation of the dean of the school.

Students entering the doctoral program with a master's degree in a relevant area may receive up to 14 units of advanced standing toward the Ph.D. in policy, planning, and development. All students must complete a minimum of 30 units of doctoral classes, plus dissertation, at USC. Evaluation of advanced standing is normally conducted as part of the student's screening.

Some applicants for admission to the school will have been engaged in work in closely related activities. Although this experience should be of benefit to the students involved, it cannot be considered equivalent to academic education.

Proposal Defense

Following successful passage of the qualifying exam, students are strongly encouraged to plan for their proposal defense within one year of passing the qualifying exam. In order to meet the requirements of the proposal defense phase, students must complete an annual progress report, which is to be provided upon passage of the completion of a written as well as an oral defense of the dissertation proposal.

Doctoral Dissertation

The dissertation is based on original research on a planning, public management, policy, or development issue requiring an interdisciplinary perspective. The research is supervised by a dissertation committee of three or more regular USC faculty, at least one of whom must be from outside the School of Policy, Planning, and Development. A two semester minimum registration in PLUS 794 (2) is required of all candidates. Students must maintain continuous registration until completion of the dissertation.

Defense of the Dissertation

Oral defense of the dissertation before the dissertation committee is usually made on a preliminary draft.

Format for Theses and Dissertations

All theses and dissertations submitted in fulfillment of requirements for graduate degrees must conform to university regulations with regard to format and method of preparation.

See *Regulations for Format and Presentation of Theses and Dissertations* available from the Graduate School, Grace Ford Salvatori 315.

General Requirements

Refer to the Graduate School section in this catalogue for policies regarding time limits, leave of absence, scholarship standing and probation.

Doctor of Planning and Development Studies

Planning and development are critical concerns of the nation and the world at the end of the 20th century. Whether redesigning the health care system, reproducing economic innovation in our central cities, or facilitating economic and social relationships across the globe, planners and developers are on center stage.

Leading the way into the next century will be a group of experienced practitioners who have updated and expanded their professional achievements by developing additional conceptual and research competency through the Doctor of Planning and Development Studies (D.P.D.S.).

The goals of the program are: to create a unique educational environment that will forge these professionals into a cadre for urban change; to develop urban professionals who can merge development and planning tools to design new integrative policy planning and implementation systems; to establish a set of new problem solving paradigms for examining and altering planning and development decision-making and to equip professionals with sophisticated analytical tools and a sharper cultural awareness so they can practice planning and development anywhere in the world.

Admission

The program is intended for people with considerable professional experience and intellectual interests. Requirements for admission include: GPA of 3.0 (A = 4.0) for all post-high school academic work, and, for international students, submission of TOEFL scores; five letters of recommendation, including at least one academic and one professional; five or more years of professional experience; a resume and, if appropriate, a portfolio; and a study prospectus detailing a proposed field of study. Guidelines for preparing the prospectus are included in the application package. Additional requirements for international students are listed under Admission of International Students, page 77. The GRE and GMAT are neither accepted nor required for the D.P.D.S. program.

Each application will be examined with the aim of admitting an applicant whose study prospectus suggests the ability and focus to produce an innovative approach to professional practice.

Applicants are expected to hold a master's degree in architecture, landscape architecture, public administration, real estate development, urban/city/regional planning, urban design or a closely related field. Applicants with master's degrees in other fields will be expected to complete foundation courses prior to entering the degree's core classes.

Upon admission to the program, each student will be assigned a faculty advisor who will oversee his or her program.

Curriculum Requirements

The Doctor of Planning and Development Studies is administered by the School of Policy, Planning, and Development for full-time and part-time students. The D.P.D.S. requires completion of 60 units of course work comprising the following elements:

REQUIREMENTS	UNITS
Foundation courses	20
Core courses	8
Methods course	4
Field of study	20
Conspectus Preparation	4
Planning, design and development project	(minimum) 4

Foundation Courses

Up to 20 units of foundation courses are required. These courses may be taken from the school's master's degree programs or, with prior approval, from other USC graduate degree programs. Students who hold a related master's degree may be admitted with advanced standing. Students are required to complete 36 units of course work and 4 units of PLUS 694 (project units).

REQUIRED COURSES **UNITS**

<i>Core Courses</i>		
PLUS 603	Planning and Development Paradigms	4
PLUS 623	Politics of Planning and the Urban Environment	4

<i>Conspectus Preparation</i>		
PLUS 692	Conspectus Preparation	4

Methods

A student's methods course should be approved by the student's Professional Advisory Committee. Possible courses include:

PLUS 612	Analysis of Quantitative Data for Planning and Development	4
PPD 627	Design Skills for Urban Planners	4
PPD 632	Planning Analysis and Evaluation	4
PPD 707	Survey Research Methods	4
PPD 708	Qualitative Methods	4

Screening Process

As quickly as possible, the student will form a Professional Advisory Committee consisting of the student's advisor and two other school and/or USC faculty and up to five professionals whose activities are related to the student's. This committee shall oversee the student's program to its conclusion.

At the completion of no more than 16 units beyond the foundation courses and/or PLUS 603 and PLUS 623, students will complete a written examination which will consist of responding to a short list of specific planning and development problems using appropriate professional paradigms. The student will then meet with the Professional Advisory Committee to formally review the student's progress toward the degree.

Field of Study

In consultation with their faculty advisor and Professional Advisory Committee, students will craft a field of study related to the professional arena of practice. The field may or may not reflect standard academic boundaries, such as transportation and land use planning. Students should take advantage of USC's resources in developing the field, especially taking into consideration the relationship of practice to theory and context. Twenty units of course work are required for the field of study, 8 of which may be taken outside the School of Policy, Planning, and Development.

Conspectus Preparation

In PLUS 692 students complete a professional conspectus that defines their field of study, its structure and place within professional practice, and other related questions. The conspectus will be presented to the student's Professional Advisory Committee for acceptance. Only after it is accepted may the student proceed to the Planning, Design and Development Project.

Planning, Design and Development Project

The capstone project of the D.P.D.S. is the student's completion of the Planning, Design and Development Project (PDDP). The PDDP is a study of an aspect, site, issue or other such element of professional practice. Each PDDP should be designed to present an innovative or original contribution to the practice of planning and development. The parameters of the PDDP are intentionally left wide, allowing the project to be produced as solely text, or text in conjunction with film, computer program, design or another multimedia format.

The PDDP is supervised by the student's Professional Advisory Committee. Students must maintain continuous registration in the PLUS 694 series until completion of the PDDP. Upon completion of an approved draft of the PDDP, students will present their findings in an open session, but the Professional Advisory Committee is the sole evaluator.

General Requirements

This degree is administered by the School of Policy, Planning, and Development. At least 24 units must be fulfilled in residence at USC. The total length of the study must not exceed six academic years. Students are encouraged to actively participate in a non-credit School of Policy, Planning, and Development doctoral workshop. Policies regarding time limits, leave of absence, scholarship standing, academic warning, and other issues not directly addressed are consistent with those of the Graduate School. Please consult the Academic Policies and the Graduate School sections of this catalogue for additional information.

Courses of Instruction

The terms indicated are *expected* but are not *guaranteed*. For the courses offered during any given term, consult the *Schedule of Classes*.

HEALTH CARE MANAGEMENT (HMGT)

510 The Dynamics of Health Care Leadership (4) A five-day residential provides an intensive, multi-faceted learning experience in leadership, communication, managed care, systems thinking, and the health care environment. Open to EMHA students only.

520 Leading People and Health Care Organizations (4) An exploration of contemporary work force issues and skills development in organizational design, performance measurement, teamwork, conflict resolution, leadership, and change management. Open to EMHA students only.

525 Managed Care Operations (4) Focuses on managerial, operational, and organizational aspects of managed care for integrated delivery systems, health plans, and medical groups. Open to EMHA students only.

540 Health Economics and Insurance Mechanisms (4) Provides a framework for the economic analysis of health care issues and provides students with an opportunity to apply economic methods to a number of actual health care problems. Open to EMHA students only.

545 Systems Thinking and the Analysis of Data (4) Quality improvement and statistical tools for health managers. Covers analyzing processes; collecting and analyzing operational data; drawing valid conclusions from data. Open to EMHA students only.

550 Law, Regulation, and Ethics (4) An intensive introduction to business and health care law, ethics and regulation; gives executives practical knowledge regarding legal consideration in business transactions. Open to EMHA students only.

560 Customer-Focused Health Care Organization (4) Strategies for gaining and using customer-derived data in planning, marketing and managing health care organizations. Open to EMHA students only.

565 Managing the Organization's Financial Health (4) Executives confront and solve problems requiring use of accounting, finance, and management control principles; provides core financial skills for non-finance professionals. Open to EMHA students only.

570 Strategic Management (4) Provides skill development and application in the integrative discipline of strategic management including assessment, strategy formulation, implementation and control. Open to EMHA students only.

575 Managing and Improving Health (4) Methods for monitoring and improving the health of populations. Topics include outcomes management, risk-adjustment, development and implementation of practice guidelines. Open to EMHA students only.

URBAN AND REGIONAL PLANNING (PLUS)

600 Environmental Goods in Planning and Development (4, Irregular) Production, distribution, and valuation of environmental goods with attention to amenity concepts, externalities, public goods, consumer behavior; as characterized in economics, political science, sociology, psychology.

601 Advanced Planning Theory I (4, Fa) Value hierarchies, means-ends continuums, and the nature of social action; problems of prediction and choice under conditions of uncertainty; alternative planning strategies.

603 Planning and Development Paradigms (4, Sp) Introduction to historic, prevalent, and alternative paradigms of professional planning and development practice; seminar format and case studies.

611 Sustainable Cities: Problems and Policies (3, Fa) (Enroll in GEOG 611)

612 Analysis of Quantitative Data for Planning and Development (4, Fa) Planning and development case study approach to identifying data needs, acquisition, evaluation, manipulation, analysis, and multimedia presentation. *Prerequisite:* PPD 525.

615 Behavioral Issues in Environmental Design (4, Irregular) Planning and design of the physical environment for human activities, e.g., user preferences, privacy, territoriality, stress and adaptation, cognitive mapping, lifestyles.

623 Politics of Planning and the Urban Environment (4, Sp) Historic roots of property rights and obligations related to public policy, focus on current issues and discourse.

626 Information Systems for Planning and Development (4, 2 years, Sp) Structure, content, and applications of formal information systems in planning and policy making emphasizing social accounts and indicators, censuses, social reporting, and “futures” research.

631 Seminar in Physical Planning and Design in Developing Countries (4, Irregular) Issues in comparative urbanism; planning and design in developing countries: slums and squatters, housing and infrastructure, new towns, land policy, conservation and redevelopment, city design.

632 National Urban Policy in Developing Countries (4, Irregular) The problems of the primate city, the role of intermediate cities, and the implicit spatial impacts of macro and sectoral policies.

633 Seminar in Comparative Housing Policy and Urban Planning Programs (4, Irregular) Comparative examination of urbanization experience in selected areas and cities throughout the world; housing policies, urban planning approaches, financial, administrative, legal, and other techniques.

635 Urban Finance (4, Irregular) The theory of fiscal federalism and municipal finance, with examples from the USA and other countries, public/private partnerships in urban development, and government decentralization.

640 International Urban Development (4, Irregular) Study of urbanization in developing countries; special attention to urban growth, migration, city size, land use, and urban management. Comparative case studies.

680 Advanced Urban and Regional Transportation Planning (4, 2 years, Fa) Social and environmental impacts; incentive structures; alternate travel; investment guidelines; technological change.

692 Conspectus Preparation (4, FaSpSm) Preparation of a case study of a specific planning and/or development project that defines the student’s field of study.

694abcdz Planning, Design and Development Project (2-2-2-2-0, FaSp) Credit on acceptance of planning, design and development project. Graded IP/CR/NC.

POLICY, PLANNING, AND DEVELOPMENT (PPD)

100m Los Angeles, The Enduring Pueblo (4, FaSp) Gateway to the minor in Planning and Development. Ethnic history of Los Angeles, emphasis placed on architecture, planning, and development. Multiplicity of cross-connections shaped by race, ethnicity, religion, gender, and sexual orientation. (Duplicates credit in former PLDV 100.)

150 The Emergence of the American City (4, Irregular) Survey of the relationship of urban planning and political power, including the various factors which shaped the distinctively American form of the city. (Duplicates credit in former PLDV 150.)

200 Politics and Public Policy (4, Sp) An examination of how public policy is made in America, using images of politics and policies communicated in movies as a starting point. (Duplicates credit in former PPMT 200.)

220 Simulated Policymaking in Urban Systems: Theory and Practice (4, Irregular) Theoretical basis of policymaking; simulated processes of policy initiation, selection, and implementation; impacts and future prospects of public decisions on a simulated urban community. (Duplicates credit in former PPMT 220.)

225 Public Policy and Management (4, FaSp) Institutions, legal context, and processes of public policy and management. Contemporary theories of public policy formulation, implementation, and evaluation. Public managerial challenges and reforms. (Duplicates credit in former PPMT 225.)

227 Urban Planning and Development (4, FaSp) Gateway to B.S., Public Policy, Management and Planning and minor in Planning and Development. City building and development process; who plans, politics of planning and development; major topics include land use, fiscal policy, transportation, sustainability, and economic development. (Duplicates credit in former PLDV 355.)

230 Introduction to Health Policy and Management (4, Fa) Gateway to the minor in Health Policy and Management and the Health Care Policy and Management track of the Bachelor of Science in Public Policy and Management. Institutions and processes affecting health care policy and the management of health care delivery in the United States; historical and philosophical roots; access and quality issues; responsiveness to public needs. (Duplicates credit in former PPMT 230.)

240 Citizenship and Public Ethics (4, Fa, Sp) Review of legal and ethical traditions of citizenship with emphasis on the latter; consideration of implications for current practice of public policy-making and management. (Duplicates credit in former PPMT 240.)

245 The Urban Context for Policy and Planning (4, Fa) The urban context for planning and policy decisions. Socioeconomic, physical, and spatial structure of cities; and the underlying demographic, economic, and social processes that drive their ongoing transformation.

250m Third World Cities (4, FaSp) Gateway to the bachelor of science in Planning and Development. The transition from traditional to modern cities in the developing world. Primacy and dualism; comparative urbanism as an expression of cultural variation; contrast in Western cities. (Duplicates credit in former PLDV 250.)

260m Planning, Diversity and Space (4, Irregular) Analysis of how diversity is impacted by physical space, proximity and separation. Consideration of selected diversity problems as planning issues, including diagnosis and policy prescriptions. (Duplicates credit in former PLDV 260.)

265x Understanding Urban Complexity and Form Through Geographic Information Systems (4, Irregular) GIS (geographic information systems) software combines cartographic and database capabilities. Introduction to GIS; exploring applications in understanding spatial aspects of social diversity and urban form. Not available for major credit. (Duplicates credit in former PLDV 265x.)

280x The Automobile and the City (4, Irregular) Examination of the complex process of decisions that resulted in the adoption of the auto and the development of the world's most extensive highway system. Not available for major credit. (Duplicates credit in former PLDV 280x.)

300m Design and Quality (4, Sp) Design and judgments of design. Cities, architecture, literature and the arts, engineering projects. Entrepreneurship as design. Design as a product of diversity, hierarchy, and conflict. (Duplicates credit in former PLDV 300.)

302m Urban Sleuths: Exploring People and Places in Cities (4, Irregular) Exploring the processes through which we construct and construe cities; application and evaluation of empirical methods; special focus on the multiple landscapes in Los Angeles. (Duplicates credit in former PLDV 315.)

304 Property Rights, Governance, and the Environment (4, Irregular) Role of property rights in historic governmental structures, modern environmental concerns and their connection to traditional views of property rights, contemporary role of governmental systems. (Duplicates credit in former PLDV 361.)

306 Visual Methods in Policy, Management, Planning and Development (4, FaSp) Introduction to graphic design, photodocumentation, and geographic information systems as employed in planning, policy, and development. Visual explanations. Computer and by-hand applications. (Duplicates credit in former PLDV 410.)

310 Politics and Ethics in Planning and Development (4, Sp) Key issues in planning theory; difficulties faced by planners and developers and strategies to overcome them; review and discussion of ethics literature as related to planning and development issues. (Duplicates credit in former PLDV 401.)

312 The Experience of Place (4, Fa) The examination and planning of spaces from the framework of the elemental senses — taste, touch, movement, sight, scent, and hearing. A humanist approach to planning. (Duplicates credit in former PLDV 408.)

313 Finance of the Public Sector (4, FaSp) Justifications for and effects of government policies; tax and spending sides of government budgets; public goods; externalities; social insurance; redistribution and welfare; tax policy. (Duplicates credit in former PPMT 313.) *Prerequisite:* ECON 203.

316 Human Resource Management for Public Organizations (4, FaSp) Human resource development and management; values and processes in civil service career systems; training practices; human relations in supervision; personnel theory. (Duplicates credit in former PPMT 316.)

318 Financial Accounting in Public and Non-profit Organizations (4, FaSp) Basic accounting principles and concepts necessary for the preparation and understanding of financial statements; accounting for service organizations in the public/nonprofit sector; fund accounting. (Duplicates credit in former PPMT 351.)

320 Organizational Behavior in Public Administration (4, FaSp) Understanding human behavior in public organization: motivation, roles, communication; group behavior and decision-making in public context; managing conflict; leadership and change in public complex organizational systems. (Duplicates credit in former PPMT 485.)

322 The Administrator and Public Relations (4, Irregular) Requisites of sound public relations programs in government agencies; techniques for selecting, preparing, and disseminating governmental issues; media; social, psychological, and political principles. (Duplicates credit in former PPMT 405.)

330 Introduction to Health Care Systems (4, Sp) Concepts and determinants of health and illness; health care delivery organizations and programs; the role of the administrator; issues in health care financing and access; quality evaluation; future trends. (Duplicates credit in former PPMT 330.)

340 The American System of Justice (4, Irregular) Introduction to the system of justice administration: components — police services, judiciary, corrections; interrelationships and issues; management strategies for change. (Duplicates credit in former PPMT 340.)

342 Crime and Public Policy (4, Fa) Public policy agenda-setting, alternatives formulation, and implementation for crime and criminal justice; analysis of specific issues including crime control, death penalty and gun control. (Duplicates credit in former PPMT 342.)

343 Terrorism, Homeland Security, and Public Policy (4, Fa) Overview of terrorism, government policies and practices, issues of civil liberties, challenges to public sector management.

350 Urban Institutions and Policies (4, Fa) Theories of urbanization and urban development; social organization of urban communities; local governance and selected urban policies; methods of urban analysis. (Duplicates credit in former PPMT 350.)

352amb Los Angeles Mini Semester (4-4, FaSpSm) A more limited version of the Los Angeles Semester. (Duplicates credit in former PPMT 406ab.)

353abcd Los Angeles Semester (4-4-4-4, FaSp) Intensive seminar with field work in the nature of the urban community; its culture, economics, environment, politics, and social problems. May be substituted for general or departmental requirements on the approval of the appropriate dean or major department chair. (Duplicates credit in former PPMT 408abcd.)

354 Los Angeles: The City, The Novel, The Movie (2, Irregular) Every real city is also an imagined city: a look at Los Angeles and its parts from four perspectives: place, fiction, film, and fiction-into-film. (Duplicates credit in former PLDV 486.)

355 Government and Administration in Metropolitan Areas (4, Irregular) Administration problems created by large urban areas comprising many political entities; suggested solutions; experience in Los Angeles area; current trends. (Duplicates credit in former PPMT 421.)

356 Urban Diversity and Communication (4, Fa) Analysis of communities with census data. Population diversity. Design of opinion surveys of market and policy issues. Research communication, writing with numbers, graphic presentation. (Duplicates credit in former PLDV 474.)

357 Government and Business (4, FaSp) Interrelated roles of business and public institutions; effects of public policies and laws on business sector; incorporates public and business perspectives. (Duplicates credit in former PPMT 357.) *Prerequisite:* ECON 203.

358 Urban and Regional Economics (4, Fa) Basic concepts of urban and regional economics; how planners intervene in the urban market; housing, transportation, public goods; land use politics; fiscal issues; cost-benefit analysis. (Duplicates credit in former PLDV 402.)

360 Urban Transportation Planning and Policy (4, Sp) Current transportation planning and policy critiques. Transportation planning; the relationship to urban structure; conventional and para-transit modes; analysis of local plans. (Duplicates credit in former PLDV 480.)

362 Real Estate Fundamentals for Planning and Development (4, Fa) Urban markets, government role and influences; capital markets and financing environment; mortgage instruments and analytic tools for decision-making. (Duplicates credit in former PLDV 406.)

371 The Nonprofit Sector and the Public Interest (4, Fa) Theories of the voluntary nonprofit sector in society and its relationship to government and business; public policies toward the sector. (Duplicates credit in former PPMT 371.)

372m Public Service in an Urban Setting (4, Sp) Voluntary service in an urban, multicultural context: diverse meanings and practices, history, motivations, relationship to charity and change, dilemmas, public policies; service learning project required. (Duplicates credit in former PPMT 372.)

375 The Urban Neighborhood (4) (Enroll in URBN 375)

380ab International Perspectives on Urban Problem Solving (4-4, Irregular) Research on comparative urban public policy and administration utilizing case study approach; field research includes study in various foreign cities. (Duplicates credit in former PPMT 412ab.)

382 International Development (4, FaSp) Definitions and measurements of development; impact of globalization; concept and practice of international and development administration and planning at local, national, and global governance levels. (Duplicates credit in former PLDV 405.)

390 Special Problems (1-4) Supervised, individual studies. No more than one registration permitted. Enrollment by petition only. (Duplicates credit in former PLDV 390 and PPMT 390.)

401 Public Policy, Management, and Planning Practices: Internship Seminar (2, FaSpSm) Seminar to accompany required internship related to public policy, management and planning. Application of management and organizational concepts to workplace; reflection on experiences. Graded CR/NC. (Duplicates credit in former PPMT 401.)

402 Management of Public and Nonprofit Organizations (4, Fa) Contemporary management theory; the nature of complex organizations; organizational and intergovernmental arrangements; roles and responsibilities of managers; managerial and organizational effectiveness; organizational structure and dynamics. (Duplicates credit in former PPMT 215.)

403 Management Analysis I (4, Sp) Introduction to organizational and systems analysis; historical perspective; systems theory; information systems, procedure analysis; management planning; introduction to models. (Duplicates credit in former PPMT 403.)

404x Statistics for Policy, Planning, and Development (4, FaSpSm) Fundamentals of probability; basic statistical techniques; sampling; framing statistical questions; inference; hypothesis and significance tests; correlation analysis; regression analysis; identifying, evaluating, and managing data. (Duplicates credit in former PLDV 404x and PPMT 404.) *Recommended preparation:* MATH 108 or MATH 116.

407 Financial Management of Public and Nonprofit Organizations (4, Sp) Time value of money, risk, government bonds and tax-exempt financing, cost of capital, budgeting, financial statement analysis, and working capital management. (Duplicates credit in former PPMT 414.) *Prerequisite:* PPD 318.

409 Training and the Applied Behavioral Science (4, Irregular) The nature of public service training; training management; training plans; personal and organizational development; skilled training needs assessment; evaluation. (Duplicates credit in former PPMT 417.)

411abcd Sacramento Semester (4-4-4-4, Irregular) Exploration of political, economic, and administrative climate of the state government; basic processes and functions considered through seminars, research projects, visitations, group discussions, and internships. (Duplicates credit in former PPMT 411abcd.)

413 Administration of Health Care Organizations (4, Sp) Theory and practice; role of governing bodies, medical staffs and quality review committees; current trends; community responsibility; regulatory and oversight agencies. (Duplicates credit in former PPMT 439.)

417 History of Planning and Development (4, Sp) Historical evolution of planning and development. How changing modes of planning and development have shaped the built landscape throughout the century. (Duplicates credit in former PLDV 485.)

419 Analysis for Planning and Development (4, Irregular) Presentation of concepts central to planning; macroanalytics — national, regional, and urban systems; microanalytics — behavior of individuals, households, and organizations; systems analysis; investment analysis. (Duplicates credit in former PLDV 455.)

425 Designing Livable Communities (4, Fa) Theories and concepts of livable communities and good city form; case studies of historical and current best practices; field visits; collaborative design project. (Duplicates credit in former PLDV 407.) *Prerequisite:* PPD 306.

427L Geographic Information Systems and Planning Applications (4, Sm) Basic GIS concepts, ArcView and other GIS software, planning applications and databases, basic cartography; students select, research and prepare a planning GIS analysis project. (Duplicates credit in former GEOG 497L and PLDV 427.) *Prerequisite:* GEOG 281L, PPD 265x.

429 Urban Design Practicum (4, Irregular) Application of design concepts and graphic skills to a local design problem sponsored by a local public or private client in a studio setting; site visits, community contact, presentations. (Duplicates credit in former PLDV 414.) *Prerequisite:* PPD 306, PPD 425.

431L Design and Development Laboratory (4, FaSp) Examines issues of urban planning design and development through laboratory experiences; emphasis on urban design and development in the Los Angeles region. (Duplicates credit in former PLDV 475L.)

435 Analyzing Real Estate Markets for Planning and Development (4) Macro- and micro-analysis of urban property markets (residential, commercial, and industrial) with regard to their location and dynamics. (Duplicates credit in former PLDV 446.) *Recommended preparation:* PPD 362.

437 Advanced Finance and Investment for Planning and Development (4, Sp) Advanced real estate principles. The nature, operation, and role of U.S. mortgage markets. Mortgage financing of residential and income-producing property types. (Duplicates credit in former PLDV 456.) *Prerequisite:* PPD 362.

438 Local Economic Development (4, Fa) Economic development in a capitalist system, historic review, sectoral review, funding, strategizing, partnerships, evaluation; class project. (Duplicates credit in former PLDV 447.)

439 Housing and Community Development (4, Fa) Evolution of government housing and community development programs; present practices, e.g., housing elements, economic development, neighborhood rehabilitation; housing needs and market analysis; housing and health. (Duplicates credit in former PLDV 440.)

440 Management of Justice Systems

(4, Irregular) Social controls and delivery of justice administration services; comparative systems; organization theory and justice administration; system adaptation and change; system performance measurement: economy, efficiency, effectiveness. (Duplicates credit in former PPMT 440.)

441 Judicial Administration (4, Irregular)

Local, state, federal judicial systems; constitutional, legislative, judicial influences on administrative action. Administrative problems associated with judicial functions including district attorney, public defender, the courts. (Duplicates credit in former PPMT 441.)

442 Administration of Police Services

(4, Irregular) Police and society; the structure and organization of American policing, current managerial problems; police research and development; future planning; administration of police juvenile programs. (Duplicates credit in former PPMT 442.)

445 Organization and Interface of Juvenile Justice Subsystems (2, FaSp)

Effective interface among juvenile justice subsystems (police and social service agencies, schools, courts); legal/jurisdictional parameters, resource constraints; strategies for joint intervention and problem resolution. (Duplicates credit in former PPMT 452.)

443 Program, Policy, and Legislative Trends in Juvenile Justice (2, Irregular)

Examination of current research findings and legislation in juvenile justice; relations of new information to operating assumptions of agencies; impacts, trends; implications for management practice. (Duplicates credit in former PPMT 453.)

444 Problems and Issues in the Delivery of Youth Services (2, Irregular)

Strategies for coordinated mobilization of diverse juvenile justice agencies; resolution of conflicting agency objectives (e.g., enforcement vs. rehabilitation). Information and resource needs; organizational skills, techniques. (Duplicates credit in former PPMT 454.)

446 Sustainability Planning (4, Sp) Planning as shaped by sustainability theories; sustainability indicators; topics include water resources, air quality, land use regulations, environmental design, carrying capacity, ecological footprint analysis. (Duplicates credit in former PLDV 461.)

447 Urban Government and Management

(4, Irregular) Preparation and discussion of cases dealing with selected policy areas including transportation, housing, poverty, and environmental quality. (Duplicates credit in former PPMT 427.)

470 History and Development of Cities

(4, FaSp) Role of cities in civilization; origins of institutions and physical forms; social and intellectual history; concepts of the "ideal" city; urban/metropolitan goals. (Duplicates credit in former PLDV 426.)

473 Public Policy and Planning Analysis

(4, FaSp) Analytic methods for policy and planning, problem definition, stakeholder analysis, modeling, and evaluation techniques. Cost benefit analysis, decision analysis, graphics and problem modeling using computer. (Duplicates credit in former PPMT 473.) *Prerequisite:* ECON 203, PPD 225, PPD 404x.

475 Urban Practicum (4, Sp) (Enroll in URBN 475)

476 Politics and Administration (4, Sp)

Administrative relationships to the policy processes; influence of political and economic pressures on administrative policy determination; political behavior by administrators; case analysis. (Duplicates credit in former PPMT 486.)

478 Planning, Policy-Making, and Social Change (4, Irregular)

Processes designed to intervene in and achieve social change in cities; successes and failures of past attempts; preparation of case study or other research project. (Duplicates credit in former PLDV 452.)

480 Political Economy and Planning

(4, Irregular) Focus on political resolution of conflict between status quo and intervention, whether for profit or in the public domain; dynamics of intersection of politics and political process and the market-based economy. (Duplicates credit in former PLDV 460.)

482 Comparative Public Administration

(4, Sp) Methodology, theories, and models of comparison; functional processes of administration in developing and developed nations compared; role of bureaucracy in development and nation-building; ecology of administration. (Duplicates credit in former PPMT 482.)

485m U.S. Immigration Policy (4, Fa) Examination of the historical and contemporary components of U.S. immigration policy with emphasis on policies addressing legal permanent immigrants, refugees, asylees, the undocumented.

490x Directed Research (2-8, max 8, FaSpSm)

Individual research and readings. Not available for graduate credit. (Duplicates credit in former PLDV 490x and PPMT 490x.) *Prerequisite:* departmental approval.

491 Senior Seminar (4, FaSp) Advanced study and discussions in planning and development. (Duplicates credit in former PLDV 491.)

495 Research in Public Administration

(4, Irregular) Philosophy of science; research theory in social sciences; survey and control research methodology; research designs and analysis; research literature; individual research. For undergraduates and masters students with emphasis on understanding research. (Duplicates credit in former PPMT 491.) *Prerequisite:* PPD 404x.

498 Senior Honors Seminar (4, Fa) Concepts, theories, and methods of analysis of a selected topic within the fields of public policy, management and planning. (Duplicates credit in former PPMT 498.) *Prerequisite:* 3.5 GPA in PPD courses; 3.0 GPA overall; and departmental approval.

499 Special Topics (2-4, max 8, FaSpSm)

Selected topics in Policy, Management and Planning. (Duplicates credit in former PLDV 499 and PPMT 499.)

500 Cross-Sectoral Governance (4, FaSp)

Analysis of cross-sectoral governance relationships/role of public nonprofit, and for-profit sectors in social problem solving; applications.

501 Public Sector Economics (4, FaSpSm)

Microeconomic theory applied to issues in public and nonprofit sectors, including organizational models, market failures and policy instruments, and macroeconomic issues. (Duplicates credit in former PUAD 512.)

509 Problems and Issues in the Health Field

(4, FaSp) Principles of epidemiology; disease trends, treatment efficacy, influences on utilization; health promotion, disease prevention and health protection; intergovernmental relationships; management of public health programs. (Duplicates credit in former PUAD 530.)

510ab Financial Management of Health Services (4-4, FaSpSm)

a: Accounting principles, financial reports, managerial finance, financial planning, capital investments, working capital analysis; elements of budgeting and reimbursement; performance standards; reporting; developing a management system. (Duplicates credit in former PUAD 531a.) *Prerequisite:* PPD 404x and PPD 516x or departmental approval. *b:* Changing practices, emerging issues, strategies and innovations in financial planning, management, and regulation; federal and state policies and requirements. (Duplicates credit in former PUAD 531b.) *Prerequisite:* PPD 510a.

511 Health Information Systems (2, SpSm) Conceptual framework for data base development; relational data management; use of health statistics; health indicators; confidentiality, security, privacy. (Duplicates credit in former PUAD 532.) *Prerequisite:* PPD 404x and PPD 516x.

512 Health Administration Residency Seminar (2, max 4, FaSp) Supervised study of health care administration, governance, professional staff relations, internal operations and controls, legal and regulatory requirements, management policy and strategy. (Duplicates credit in former PUAD 533.) *Prerequisite:* PPD 509, PPD 510a, PPD 545; minimum of 20 graduate level units.

513 Legal Issues in Health Care Delivery (4, FaSp) Rights of consumers; health-related powers of governments; rights and responsibilities of health care providers; interrelationships of rights, powers, and responsibilities. (Duplicates credit in former PUAD 536.) *Prerequisite:* PPD 509.

514 Economic Concepts Applied to Health (4, FaSpSm) Relationships between economic characteristics and health status; impact of economy on health services industry; demand and resources for health services; utilization, prices, costs, health insurance. (Duplicates credit in former PUAD 537.) *Prerequisite:* PPD 501.

515 Strategic Management of Health Organizations (4, FaSpSm) Application of principles of health administration in several practice settings. Decision-making; strategic management; organizational performance; communication; provider comparisons. (Duplicates credit in former PUAD 593.) *Prerequisite:* PPD 509, PPD 510a, PPD 511, PPD 513, PPD 514, PPD 545, PPD 557.

516x Financial Accounting in the Public and Nonprofit Sectors (4, FaSp) Accounting as a management tool; accounting systems; basic concepts; budgets; statements. Designed for nonaccounting administrative personnel. Not available for credit to MHA majors. (Duplicates credit in former PUAD 551x.)

524 Planning Theory (2, Fa) Development of a critical perspective by becoming more aware of the intellectual roots of the planning profession, with a focus on practical outcomes of actions. (Duplicates credit in former PLUS 501.)

525 Statistics and Arguing from Data (2, FaSp) Fundamentals of probability and statistics, planning analysis techniques, computing standards, and understanding of the rhetoric related to statistical analysis. (Duplicates credit in former PLUS 502.)

526 Comparative International Development (2, Fa) Introduction to comparative international development with a focus on regional growth and urban development. (Duplicates credit in former PLUS 505.)

527 The Social Context of Planning (2, Sp) Examination of the formation of the modern urban environment with its consumer culture, social classes, and racial and ethnic diversity. (Duplicates credit in former PLUS 506.)

528 The Urban Economy (2, Sp) Introduction to markets and how they allocate scarce resources, focus on cities and the interaction of land, labor, housing, and transportation. (Duplicates credit in former PLUS 507.)

529 Legal Environment of Planning (2, Sp) Understanding of the legal system and its processes and laws applicable to land use and development and the legal nature of powers of public and private entities. (Duplicates credit in former PLUS 509.)

530 Historical Analysis of Urban Form and Planning Practice (2, Sp) Awareness, analysis, understanding, and influencing the city building process locally and regionally; isolate and exercise tools and methods of visual literacy. (Duplicates credit in former PLUS 510.)

531L Core Laboratory Workshop (4 or 8 or 12, max 12, FaSp) Application methods in planning, programming, research, and evaluation in a professional context; data collection and analysis; case studies; practical applications. (Duplicates credit in former PLUS 576L and PLUS 676L.)

532L International Planning and Development Laboratory Workshop (4-8, Sm) Application of planning principles and methods to specific urban planning problems abroad; involves preparation in the spring semester and an overseas field visit and a collaborative practicum. (Duplicates credit in former PLUS 575L.)

540 Public Administration and Society (4, FaSpSm) Administrative concepts, institutions, legal systems, and practices; values; facilitation of responsibilities and rights; professional applications for personal, private sector, and public achievement. (Duplicates credit in former PUAD 500.)

541 Public Financial Management and Budgeting (4, Fa) Financial management applied to public and nonprofit organizations; financial valuation, financial markets, budgeting, tax administration, debt financing, cost-benefit analysis and financial analysis. (Duplicates credit in former PUAD 514.) *Prerequisite:* PPD 404x.

542 Policy and Program Evaluation (4, Sp) Methods and models for policy and program evaluation; methods of collecting and analyzing evaluation data; processes for linking evaluation to policy formulation and program management. (Duplicates credit in former PUAD 525 and former PUAD 529.) *Prerequisite:* PPD 404x.

543 Internship Seminar (1, FaSp) Supervised study of management, analytical, or other professional activities in government; integration of theory, practice and relevant literature. (Duplicates credit in former PUAD 544.)

545 Human Behavior in Public Organizations (4, FaSpSm) Behavior in organizations; focus on personal, interpersonal, and group level factors that influence such behavior. (Duplicates credit in former PUAD 585.)

546 Professional Practice of Public Administration (4, FaSpSm) Practice of public management; use of management theories; strategic thinking and planning; understanding organizations; management skills and techniques; management in a public setting; ethics. (Duplicates credit in former PUAD 597.) *Prerequisite:* PPD 501, PPD 540, PPD 545.

554 Public Policy Formulation (4, FaSp) Nature of public policy; public policy formulation processes; roles of institutions, groups, values; information and rationality in policymaking; models and other aids to policy choice. (Duplicates credit in former PUAD 527.)

555 Public Policy Formulation and Implementation (4, Sp) Political and organizational perspectives on policy making process; agenda setting, policy design, adoption, implementation, evaluation, modification or termination. Policy leadership skills: negotiation and strategic mapping. (Duplicates credit in former PUAD 528 and PPD 554 and PPD 559.)

557 Quantitative Analysis I (4, FaSpSm) Management science methods that support decision making in policy, management, and planning settings. Includes linear programming, queuing theory, decision analysis, and forecasting. (Duplicates credit in former PUAD 558.) *Prerequisite:* PPD 404x or PPD 525.

558 Quantitative Analysis II (4, FaSp) Applied multivariate statistics in support of policy, management, and planning problem solving. Includes regression analysis, logit models, and an introduction to time-series models and multi-equation estimation. (Duplicates credit in former PUAD 559.) *Prerequisite:* PPD 404x or PPD 525.

559 Policy Implementation and Evaluation (4, FaSp) Theoretical approaches, critical issues, and research methods in public policy implementation. Field-based research project. (Duplicates credit in former PUAD 570.)

560 Methods for Policy Analysis (4, Sp) Examination of methods used in the analysis of policy methods, including cost benefit analysis, decision and risk analysis, and applied social science methods. (Duplicates credit in former PUAD 572.) *Prerequisite:* PPD 404x, PPD 501, PPD 554.

561 Policy Analysis Practicum (4, Sp) Application and integration of the knowledge and techniques of analytic, quantitative, managerial, political and ethical analyses to specific public policy problems. (Duplicates credit in former PUAD 589.)

569 Applied International Policy Analysis and Management Project (4, Sp) Enables students to integrate theory, research and practice into an applied project of their own choosing. The output of this course is a professional report in a selected public policy or management area. (Duplicates credit in former PUAD 507.)

570 Applied Statistics for Planning, Policy and Management (4, Sm) Use of statistical reasoning to answer questions related to public policy and management. Students will review and understand selected statistical techniques for analyzing data and for addressing public policy and management questions of interest using applied data analysis. (Duplicates credit in former PUAD 523.)

571 International Public Policy and Management Seminar (4, Fa) An introduction to the concepts and methods of public policy analysis and management. Highlights some of the constraints of the policy process. Includes examples from the United States but also presents comparative views of the contours of public policy in both developed and developing nations. The course applies public policy and management frameworks to selected areas of social policy. (Duplicates credit in former PUAD 524.)

572 Special Issues in International Public Policy (1-4, max 12, FaSpSm) Current international public policy on issues such as governmental reform, regulation, social welfare, poverty alleviation and international aid. Policy framework and in-depth analysis of specific topics of relevance to governmental agencies and international organizations.

587 Risk Analysis (4) Concepts of risk analysis, risk in engineered systems, environmental risk, security risks; fault trees, event trees, risk simulations; risks and decision-making. *Recommended preparation:* MATH 108 or MATH 116.

588 Introduction to Transportation Planning Law (3) (Enroll in CE 579)

589 Port Engineering: Planning and Operations (3) (Enroll in CE 589)

590 Directed Research (1-12, FaSpSm) Research leading to the master's degree. Maximum units which may be applied to the degree to be determined by the department. Graded CR/NC.

594abz Master's Thesis (2-2-0, FaSp) Credit on acceptance of thesis. Graded IP/CR/NC.

599 Special Topics (2-4, max 8, FaSpSm) Selected topics in public policy, management and planning.

600 Management of Managed Care Organizations (2, FaSp) Managed care arrangements, interorganizational relations, management practices and controls, medical staff relations, strategic planning, marketing, utilization review, quality assurance, outcomes measures. (Duplicates credit in former PUAD 508.) *Prerequisite:* PPD 516x and PPD 545.

601 Management of Long-Term Care Organizations (4, Fa) History, development, trends; major policy issues; organization of systems; principles and techniques of administration; management of institutional and community based programs. (Duplicates credit in former PUAD 509.) *Prerequisite:* PPD 516x, PPD 545 or *corequisite:* ACCT 509, PPD 649, IOM 585.

602 Strategic and Operational Planning for Health Services (4, 2 years, Fa) Strategic, institutional, and program planning theory and methods; governmental and legal requirements, certificate of need processes, reimbursement controls; financing and marketing considerations, practices, and methods. (Duplicates credit in former PUAD 535.)

603 Marketing of Health Services (4, Sm) Assessing community needs and organizational service capabilities; evaluating competition; qualitative and quantitative market research methods; market communications and advertising; developing marketing plans. (Duplicates credit in former PUAD 538.) *Prerequisite:* PPD 404x.

604 Seminar in Hospital Administration (4, FaSp) Hospital systems and functions; managerial processes, theory, and practice; governance structures; legal, regulatory, administrative, and professional requirements; medical and professional staff; multi-institutional arrangements; controls. (Duplicates credit in former PUAD 539.) *Prerequisite:* PPD 516x and PPD 545.

605 Frontline Issues in Health Services Administration and Policy (2, max 4, FaSpSm) Emphasis on current or emergent issues in the health care industry. Focus on impact of recent health legislation and/or health care system responsiveness.

606 Urban Health Policy (4, Fa) Addresses current U.S. health policy issues and the critical processes that shape them, with an emphasis on urban populations; institutional, economic, social, ethical, and political factors.

607 Introduction to Public Health Policy (4, Sp) Public health policy and analysis methods; evaluation of the public health system and safety net programs.

608 Leadership Symposium in Health Management and Policy (1, max 2, FaSp) A forum for leading executives and policymakers to address ways they or their organizations improve healthcare financing, delivery and management, in the U.S. and internationally.

609 Physician Practice Management (2, Sm) Overview of medical practice management issues, structures, systems and strategies for effective clinical and financial performance of physician organizations. *Recommended preparation:* PPD 509.

610 Managed Care Contracting (2, Fa) Provides practical and strategic decision-making skills in managed care contracting, including contract types, terms and conditions; financial assessment; proposal development and analysis; and negotiation. *Prerequisite:* PPD 510a, PPD 514, PPD 600.

611 Policy Issues in Planning and Development (4, Fa) Overview of policy issues in planning and development professions in the U.S. and abroad. Special attention to collective decision making, role of institutions, and ethics. (Duplicates credit in former PLUS 503.)

612 Research and Analytical Techniques (4, Sp) Professional practice-oriented analytic skill; fundamentals of data manipulation; spreadsheet applications and forecasting; and communication of results. (Duplicates credit in former PLUS 504.)

614 Management in Planning Practice (2 or 4, 2 years, Sp) Administrative, management, political, and other problems faced by the practicing professional planner. (Duplicates credit in former PLUS 521.)

615 Comparative Urbanization, Development, and Inequality (4, Irregular) Theories of inequality, dependency and dualism in relation to urbanization, growth, and poverty in developing countries; development and underdevelopment; core-periphery linkages. (Duplicates credit in former PLUS 534.)

616 Mediation and Conflict Resolution in Development and Planning (4, Irregular)

Theory and methods of conflict analysis, negotiation and mediation involving public regulators and private developers. Psychology of dispute resolution; alternative institutional resources. Case studies and gaming exercises. (Duplicates credit in former PLUS 550.)

617 Urban Demography and Growth (4, Fa)

Theory and policy regarding population change in urban areas; housing; cohort analysis; immigration; ethnicity; employment; education. Methods of graphic representation; census data manipulation, interpretation, forecasting. (Duplicates credit in former PLUS 539.)

618 Housing Facilities and Community Development (4, Irregular)

Structure of the building industry and technology. Housing markets and programs; environmental standards. Community development and redevelopment. Planning, program development, finance, and coordination of public facilities and services. (Duplicates credit in former PLUS 540.)

619 Smart Growth and Urban Sprawl: Policy Debates and Planning Solutions (4, Irregular)

Determinants and analytical models of land use; interaction of land uses with environmental quality and natural resources, land use policy instruments; regulation, taxation, public services. (Duplicates credit in former PLUS 562.)

620 General Plans (4, Fa) Assessment of a recently adopted general plan, analysis of the general plan process, and detailed review of each major element and issue. (Duplicates credit in former PLUS 563.)

621 Environmental Impacts (4, Sp) Legal, political/institutional, and technical aspects of environmental impact reports for urban planning. (Duplicates credit in former PLUS 561.)

622 Seminar in Urban Development (4, Irregular)

Central city housing and renewal problems and policies. Site selection, organization; land valuation, acquisition, disposition; relocation and management; reuse; site planning and development; politics; financing. (Duplicates credit in former PLUS 541.)

623 Land Use Controls and Other Tools of Physical Planning Effectuation (4, Irregular)

Federal, state, and local laws and administrative controls affecting the physical development of municipalities and metropolitan regions; e.g., planning, land use, health, safety, environment. (Duplicates credit in former PLUS 560.)

624 Local Economic Development: Theory and Finance (4, Sp) Socioeconomic change, economic development theory, assessment techniques, and economic indicators in the context of planning and development policies and programs. (Duplicates credit in former PLUS 547.)

625 Planning and Economic Development Finance (4, Fa) Fundamentals for economic development professionals and policy makers including feasibility analysis and the financing of facilities, social services, and community-based enterprises. (Duplicates credit in former PLUS 546.)

626 Public/Private and Mixed Enterprises Planning (4, Fa) Case studies of planning and public/private and mixed enterprises; public production of private goods; privatization of public services; public/private partnerships; mixed enterprises. (Duplicates credit in former PLUS 543.)

627 Design Skills for Urban Planners (4, Fa)

Develop observation, description, analysis, and conceptualization skills related to urban spatial conditions; advance professional communication proficiencies. (Duplicates credit in former PLUS 573.) *Prerequisite:* PPD 530.

628 Urban Planning and Social Policy (4, Irregular)

Urban planning and social work: theory, values, techniques of inquiry, and problem-solving methods appropriate to urban planning and social work. (Duplicates credit in former PLUS 552.)

629 Planning in the Voluntary Nonprofit Sector (4, Irregular)

Structure of voluntary nonprofit sector; role in social, economic, and spatial planning; corporate philanthropy; foundations; pass-through organizations; nonprofit planning requirements. (Duplicates credit in former PLUS 545.)

630 Urban Economic Analysis (4, Sp)

Economic models of cities and city development and structure; housing and land markets; transportation systems; problems of congestion and pollution; evaluation of urban policies. (Duplicates credit in former PLUS 566.)

631 Urban Information Systems (4, Fa)

How GIS and other information systems are integrated within professional planning organizations. Examination of data, hardware, software, humanware, analysis, operations and policy. (Duplicates credit in former PLUS 526.) *Prerequisite:* PPD 427L or departmental approval.

632 Planning Analysis and Evaluation (4, Sp)

Methods of policy, program, and plan evaluation: economic principles and theoretical concepts introduced, followed by case studies. (Duplicates credit in former PLUS 574.) *Prerequisite:* PPD 528.

633 Urban Transportation Planning and Management (4, 2 years, Fa)

Background applications of established urban travel forecasting procedures; land use; trip-generation, trip-distribution, modal-choice, trip-assignment; evaluation; criticisms. (Duplicates credit in former PLUS 580.)

634 Institutional and Policy Issues in Transportation (4, Sp)

Analysis of policies relating to transportation alternatives; institutional environment and background; federal, state, regional, and local agency responsibilities and interactions. (Duplicates credit in former PLUS 581.)

635 Principles of Transportation Systems Analysis (4, Fa)

Planning, design, modeling, and operation of inter- and intra-urban transportation networks. Analysis of contemporary engineering-economic issues relevant to transport, especially questions pertaining to infrastructure. (Duplicates credit in former PLUS 582.)

637 Forecasting and Urban Planning: A Survey of Theory and Methods (4, Sp)

Overview of forecasting methods and applications in urban planning processes used to determine urban futures; includes theoretical and institutional factors as well as quantitative methods.

638 Integrative Seminar (4, FaSpSm)

Individual research and preparation of an integrated comprehensive study coordinated with a sponsor such as a government agency or development firm. (Duplicates credit in former PLUS 591.) *Prerequisite:* PPD 611, PPD 612.

645 Professional Development (1-4, max 8, Irregular)

Selected topics in the practical application of administrative concepts. Graded CR/NC. (Duplicates credit in former PUAD 502.)

646 Field Work (1-4, max 8, Sp) Supervised study of management activities in governmental agencies. Graded CR/NC. (Duplicates credit in former PUAD 503.)

647 Finance of the Public Sector (4, Sp)

Sources of government revenue, intergovernmental financial relations, budgeting, public goods theory. Theoretical and applied skills in analysis of equity and efficiency issues. (Duplicates credit in former PUAD 513.) *Prerequisite:* PPD 501.

648 Concepts and Practices of Public Budgeting (4, Irregular)

Budget planning, budget formulation, tools for budget analysis and budget implementation. (Duplicates credit in former PUAD 515.)

649 Concepts and Practices in Public Personnel Administration (4, FaSm) Concepts of man and of work; workforce; government personnel systems, including merit concepts, classification, and compensation; collective bargaining; organizational justice; training and development. (Duplicates credit in former PUAD 516.)

650 Organization Development in Public Administration (4, FaSp) Overview of concepts and methodologies of organization development; diagnosing organizational needs; developing change strategies; selecting appropriate interventions. (Duplicates credit in former PUAD 517.)

651 Seminar in the Administration of Local Government (4, Irregular) Intensive consideration of the functions of the municipal executive and his environment. Research preparation and discussion of cases. (Duplicates credit in former PUAD 520.)

652 Financial Administration in Local Government (4, Irregular) Revenue sources, fees and charges, benefit assessments; financing economic development and redevelopment, issuing and managing debt, current asset management, and state-local relations. (Duplicates credit in former PUAD 521.)

653 Training in the Public Sector (4, Fa) Emergence of public service training; learning theories; program development process — assessing needs, design, delivery, and evaluation; role of media; individual, group, organization development; managing training. (Duplicates credit in former PUAD 522.)

654 Information Technology Management in the Public Sector (4, FaSpSm) Application of computer and information technology in government; e-government; information technology architecture; systems project management. (Duplicates credit in former PPD 518.)

655 Administrative Law (4, Sm) Administrative perspectives on legal principles of agency rule-making and adjudication; distinctions between the two; informal administrative actions; decision-making; judicial review; public control of administrative decisions. (Duplicates credit in former PUAD 543.)

656 Political Management: Theory and Applied Techniques (4, Sm) Political management theories; strategy formation; research and data collection approaches; computer applications; electronic databases; issue management; problem-solving techniques; ethical considerations. (Duplicates credit in former PUAD 545.)

657 Political Leadership in Public Organizations (4, Sp) Concepts and skills for public executives and senior managers; understanding the dynamics of governmental institutions and policy processes; organizational and personal assessment skills. (Duplicates credit in former PUAD 546.)

658 Advocacy in Public Administration (4, Fa) Perspectives on advocacy in the policy process; practice of advocacy; accessing the policy process; simulation of the advocacy process; ethical considerations. (Duplicates credit in former PUAD 547.)

659 National Security Administration and the Domestic and International Environment (4, Irregular) Interplay of domestic and international environments; resultant constraints upon national security program administration; administrative and organizational implications for future scenarios. (Duplicates credit in former PUAD 549.)

660 Local Agency Debt and Cash Administration (4, Irregular) Overview of methods of debt and cash administration including official statement analysis; mechanics of different types of issues; and cash management principles. (Duplicates credit in former PUAD 550.)

661 Intergovernmental Management: Local Perspective (4, Fa) Role of city, special district, and metropolitan governments in intergovernmental relations; intergovernmental impacts on local policy process and service delivery; management problems and alternatives. (Duplicates credit in former PUAD 552.)

662 Intergovernmental Management: State Perspective (4, FaSp) Role of state government in intergovernmental relations, emphasis on California experience; financial aspects of intergovernmental system. (Duplicates credit in former PUAD 553.)

663 Intergovernmental Management: Federal Perspective (4, Irregular) Role of national government in intergovernmental process; impact of federal legislative, executive, and judicial actions on state and local government; intergovernmental policy-making process. (Duplicates credit in former PUAD 554.)

664 Project Management (4, Sm) Functions and processes of project management throughout the project cycle: planning and analysis, organizational design, control, evaluation; systems acquisition; public and private sector approaches. (Duplicates credit in former PUAD 555.)

666 Administrative Research and Analysis (4, Irregular) Theory and methods for study of administrative effectiveness: problem solving, performance measurement, administrative and organizational research, quality improvement, and change implementation. (Duplicates credit in former PUAD 506.)
Prerequisite: PPD 404x.

667 Public Ethics (4, Sp) Following an introduction to the study of ethics, relationships among administrative, political and policy ethics are examined, emphasizing the ethics of the administrative role. (Duplicates credit in former PUAD 560.)

668 Entrepreneurship in the Public Sector (4, Irregular) Providing public services through the private and nonprofit sectors; public-private partnerships; political and organizational skills required for public entrepreneurship. (Duplicates credit in former PUAD 561.)

669 Federal Management Systems (4, FaSp) Principal institutions and processes in federal government for overhead leadership and control; examines Office of Management and Budget, Office of Personnel Management, Merit Systems Protection Board, General Services Administration, and General Accounting Office. (Duplicates credit in former PUAD 564.)

670 Management of Intergovernmental Programs (4, Sp) Analysis of relationships among governmental units in delivery of governmental programs; historical development of intergovernmental relations; present status and future implications. (Duplicates credit in former PUAD 566.)

671 Decision-Making in Regulatory Agencies (4, Irregular) Risk assessment, management, and communication concepts and practices; comparisons of regulatory decision making in regulatory agencies; emerging benefit assessment, cost-effectiveness, and communication issues. (Duplicates credit in former PUAD 567.)

672 Presidency, Congress, and the Bureaucracy (4, SpSm) Relationships in national government among political executive, legislative, and administrative units; reviews institutions, formal processes, and political dynamics. (Duplicates credit in former PUAD 568.)

673 Strategic Planning in the Public Sector (4, Sp) Analysis/field application of action research models for strategic planning in public agencies; design of effective public systems; citizens/administrators' roles in strategic decision-making. (Duplicates credit in former PUAD 574.)

674 Science, Technology, and Government (4, Irregular) Impact of science/technology on governmental policy, processes, institutions; critical policy areas in science/technology; machinery for formulating science policy; governmental impact on science/technology. (Duplicates credit in former PUAD 575.)

675 Nonprofit Management and Leadership (4) Issues in nonprofit management and leadership including: the role of boards; strategic planning; marketing and fund-raising; financial management; and volunteer and human resource management. (Duplicates credit in former PUAD 578.)

676 Comparative Public Administration (4, Irregular) Methodologies, theories and models of comparison; administrative systems; role and functions of the public sector; administrative cultures. (Duplicates credit in former PUAD 579.)

677 International Development Administration (4, Sp) Development of theories; role of international institutions in resource exchanges; foreign investment and trade policies; national planning and allocation systems; development and modernization strategies and implementation. (Duplicates credit in former PUAD 581.)

678 Processes of Change in Developing Societies (4, Irregular) Nature of traditional and transitional societies; theories and practice of developmental change; role of bureaucracy in development; institution building; public enterprise; technology assessment and transfer. (Duplicates credit in former PUAD 582.)

679 Financial Administration in Developing Countries (4, Sm) Public sector finance; tax policy and administration; budgeting and auditing; debt management; public enterprise and development banks; planning; techniques; project assessment. (Duplicates credit in former PUAD 583.)

680 Development of Effective Groups and Organizations (4, Fa) Theories and techniques of assessing and improving interpersonal relationships and group dynamics in an organizational context; action research-based approaches to implementing organizational change. (Duplicates credit in former PUAD 586.)

681 Public Organization and Management Theory (4, FaSp) Nature and management of public organizations; examination of organizational characteristics, forms, and processes, including the relationship with the broader environment. (Duplicates credit in former PUAD 595.)

682 Justice Administration: A Management Perspective (4, 2 years, Fa) Justice administration as an interactive system: law, etiology of crime, police, the judiciary and corrections. Interface of offenders with community and political force fields. (Duplicates credit in former PUAD 540.)

688 Business and Public Policy (4, Irregular) The business-government relationship; effects of selected public policies (antitrust, economic, and social regulation, industrial policies, legal policy) on firm and industry behavior. (Duplicates credit in former PUAD 557.) *Prerequisite:* PPD 501.

689 The Voluntary Nonprofit Sector and Public Policy (4, Irregular) Theories of the nonprofit sector; relationships with the public and for-profit sectors; sources of revenues; public policies toward the sector. (Duplicates credit in former PUAD 571.)

690 Alternative Dispute Resolution (4, Fa) Theory and methods of conflict analysis, negotiation, facilitation and mediation in the public sector. (Duplicates credit in former PUAD 519.)

691 Methods for Assessment and Protection of Environmental Quality (3, Sp) (Enroll in CE 564)

692 Transportation and the Environment (4, Sp) Analysis of the benefits and costs of urban transportation; concepts of social costs; benefits and externalities; environmental costs; social justice issues; policy and planning alternatives for sustainable transportation. (Duplicates credit in former PPD 584.) *Prerequisite:* PPD 501 or PPD 528.

693 Communicating Public Policy (4) Exploring the complex relationships that exist among policies, policymakers, and the media; analyzing the role of journalists and policy analysts in the public policy process.

694 Coastal Policy and Planning (4, Sp) Coastal management issues in the context of public and private users competing for land resources, the costs and benefits of seaports, compare coastal development models.

695 Clinical Issues for Managers (1, Fa) Introduces key information and concepts for managers of clinical services. Examines problems and issues facing health care managers and clinician relations.

696 Health Care Venture Development (2, FaSm) Focuses on developing the resourcefulness, know-how and decision support skills needed to identify, assess and develop new health ventures. Includes business planning, financing, strategy, entrepreneurship. *Recommended preparation:* PPD 510a.

697 Multicultural Proficiency in Health Management and Policy (2) Provides an understanding of the social factors such as racial/ethnic, socioeconomic, and gender disparities in health and the culturally proficient provision of health care.

698 Strategic Management and Change (4) Theory and applied skills in management of social sector organizations with applications in international settings. Strategic management and planning; communication strategies, marketing and promotion; leadership skills; organizational development and change.

700ab Teaching Seminar (1-1, FaSp) Pedagogy: learning objectives, curriculum design, teaching methods, evaluation. Open only to Ph.D. students. Graded CR/NC. (Duplicates credit in former PUAD 700ab.) *Prerequisite:* PPD 701, PPD 702, PPD 703.

701 Knowledge and Practice in Social Systems (4, Fa) Critical analysis of the epistemological and research traditions in the social sciences; issues of modernity, justice, power, and discourse in shaping social action.

702 Governance, Place and the Public Sphere (4, Fa) Examination of U.S. contemporary public sphere; fundamental constitutional principles, theories of the public sector, and governance relationships over time.

703 Globalization and the Urban Context (4, Sp) The nature, functions, and transformations of contemporary cities; comparative urban theories, theories of globalization, and consequences of emerging urban outcomes; effective policy interventions.

706 Paradigms of Research and the Design of Inquiry (4, Fa) Formulation of research questions and design; specification of models, hypotheses, variables, measures; alternative research methods; independent student-faculty research. (Duplicates credit in former PLUS 602.) *Prerequisite:* PPD 701, PPD 702, PPD 703.

707 Survey Research Methods (4, Sp) Collection and use of survey data: basic orientation, mechanics of using SAS, and interpretation of survey tabulations. Graduate standing. (Duplicates credit in former PLUS 608.) *Prerequisite:* PPD 525.

708 Qualitative Methods (4, Sp) Reflective and critical approach that questions data collection techniques, positions relative to those being studied, and explanatory methods. (Duplicates credit in former PLUS 609.) *Recommended preparation:* PPD 525 or PPD 612.

709 Applications in the Advanced Quantitative Methods (4, Sp) Statistical and econometric modeling in real estate finance, urban economics, public policy, and planning research. Building, estimating and adjusting models for real-world. *Prerequisite:* PPD 525.

711 Theoretical Foundation of Public Management (4, Fa) Theories of the role, structure, and growth of the public sector; political economy of public bureaucracies; the voluntary nonprofit sector. *Prerequisite:* PPD 501.

712 Seminar in Public Policy (4, Fa) Critical analysis of the policy field; theoretical foundations; integration of quantitative, organizational, and political considerations; policy research. (Duplicates credit in former PUAD 626.) *Prerequisite:* PPD 501, PPD 554.

713 Advanced Planning Theory (4, Fa) Positive and normative attitudes of public plans, policies, programs, organizational and institutional settings; policy analysis; modeling of social choices; evaluation; applied welfare analysis; performance assessment. (Duplicates credit in former PLUS 605.)

714 Advanced Urban Development (4, Fa) Urbanization, urban economics, land use, the politics of growth, governance, regulation, and the state, immigration, and place promotion.

790 Research (1-12, FaSpSm) Research leading to the doctorate. Maximum units which may be applied to the degree to be determined by the department. Graded CR/NC. (Duplicates credit in former PLUS 790 and PUAD 790.)

794abcdz Doctoral Dissertation (2-2-2-2-0, FaSpSm) Credit on acceptance of dissertation. Graded IP/CR/NC. (Duplicates credit in former PLUS 794abcdz and PUAD 794abcdz.)

PUBLIC ADMINISTRATION (PUAD)

Frequency of course offerings varies from campus to campus. Check with individual campuses regarding availability.

613 Seminar in Financial Policy (4, Irregular) Historical development and trends in public revenues and expenditures. Political, economic, and administrative significance of decisions in the field of financial management. *Prerequisite:* PPD 647.

617 Seminar on Behavioral Aspects of Training and Development (4, Irregular) Theoretical concepts governing the administration of socio-technical systems, organization development, action training and research, and other development and change processes utilized in public service.

675 Institutional Context of the Public Sector (4, Sp) Theories of the role, structure and growth of the public sector; public choice processes; political economy of public bureaucracies; the voluntary nonprofit sector. *Prerequisite:* PPD 501.

685 Seminar on Organizational Behavior in Public Systems (4, FaSp) Organizing processes; decision-making; communication; leadership; behavioral models; political and social behavior in organizations. *Prerequisite:* PPD 545.

692 Multivariate Statistical Analysis (4, Fa) Multivariate analysis of qualitative and quantitative variables including multiple linear regression, multiple contingency table analysis, log-linear and logit models, and path analysis. *Prerequisite:* PPD 404x.

695 Seminar in Administrative Theory (4, FaSp) Assessment of current normative and descriptive theories of public administration; variety of conceptual systems; operationalism; levels of organizational analysis. *Prerequisite:* PPD 540.

697 Seminar in Public Management (4, Irregular) Public management research and theory; differences between private and public organizations: contextual influences on public management; contemporary empirical studies; bibliographic research. *Prerequisite:* admission to the D.P.A. program.

791ab Public Administration Research Seminar (1, 1, FaSp) Presentation and discussion of research histories and current research projects of members of the faculty and distinguished guest scholars. Open only to Ph.D. and D.P.A. students. Graded CR/NC.

REAL ESTATE DEVELOPMENT (RED)

500 Real Estate Development and the Economy (2, Sm) Linkages between national and regional economies and the performance of the real estate sector. Anticipating development trends. Public policy applications.

509 Market Analysis for Real Estate (4, FaSp) Explores macro and micro aspects of residential, retail, office, and industrial markets and examines methodologies for analyzing such markets for real estate development/investment purposes. *Prerequisite:* RED 542.

541 Finance Fundamentals for Real Estate Development (2, Sm) Introduction to the general principles of finance with application to real estate development, including capital markets, financial institutions, valuation and risk management.

542 Finance of Real Estate Development (3, FaSp) Theory and methods of real estate finance and investment. Real estate investment analysis, real estate entities, taxation; introduction to securitization of real estate equities, debt. *Prerequisite:* RED 541.

544 Real Estate Capital Markets (2) Explore structure, instruments and institutions of real estate capital markets. Consider linkages between real estate and capital markets. Assess role of Real Estate Investment Trusts. *Prerequisite:* RED 542.

545 Advanced Real Estate and Financial Modeling (2, Fa) Quantitative problem solving using computerized modeling. Complex debt financing, including lender participation, subordination, joint venture structuring, systematic treatment of real estate portfolios. *Prerequisite:* RED 542.

546 Applications of Real Estate Finance to Problems of Development (3, Sp) Advanced topics in finance applied to cases and problems of real estate development; emphasis on structuring, finance and evaluation of various types of development projects. *Prerequisite:* RED 542.

547 Project Management and Construction (2, Sm) Managing the building phase of development. Architectural and engineering aspects of construction management for the real estate developer.

551 The Approval Process (4, Fa) Approval process for real estate development including land use entitlement, site selection, zoning, environmental review, community and government relations, infrastructure financing, ethical issues, negotiation skills.

562 Legal Issues in Real Estate Development (4, FaSpSm) Ownership and transfer of real estate; formation and enforcement of contracts; business associations; environmental regulation; taxation of property transfers; acquiring, financing, leasing of commercial property. (Duplicates credit in former RED 662.)

563 Introduction to the Asset Management of Real Estate (2, Fa) Overview of institutional asset management: creating and implementing investment and portfolio strategies through the development, acquisition, underwriting, and operational stages of the investment, asset disposition.

564 Issues in Asset Management of Real Estate (2, Fa) Advanced issues in institutional asset management. How value is created during investment process with focus on tactical, operational, and strategic goals of asset and owner. *Prerequisite:* RED 563.

571 Introduction to Appraisal Principles, Procedures, and Standards (4, Fa) Valuation concepts. Theory and problem solving. Cost, sales comparison, and income approaches.

572 Advanced Appraisal Approaches and Applications (2, Sp) Highest and best use. Advanced income capitalization. Advanced cost and sales comparison approaches. Advanced applications. *Recommended preparation:* RED 571.

573 Design History and Criticism (2, FaSpSm) The concepts, language and metaphors of design-related disciplines are examined in relation to design and construction values and choices in real estate development. (Duplicates credit in former RED 673.)

574 Building Typologies (2, FaSpSm) The exploration of categories of building types, including retail, industrial, residential, office and institutional, using key examples or case studies from each. (Duplicates credit in former RED 674.)

575L Community Design and Site Planning (2-4, max 8, FaSpSm) Physical implementation of development projects. Students will develop concept plan, preliminary design and marketing plan for selected domestic and/or international development sites. (Duplicates credit in former RED 675L.)

583 International Development Opportunities (2, Fa) A survey of various markets prominent in the global real estate community. Protocols for analyzing international development opportunities and cultural, political, and socioeconomic considerations.

585 Comparative International Development Workshop (2-4, Sm) Comparative study tour focused on understanding international real estate development practices and markets, site visits and meeting with principals.

590 Directed Research (1-12, FaSpSm) Research leading to the master's degree. Maximum units which may be applied to the degree to be determined by the department.

598 Real Estate Product Development (2-4, max 12, FaSpSm) An evaluation of various real estate development types. Case studies and site visits.

599 Special Topics (2-4, max 8) Current issues, trends, and developments in real estate development.

Military Courses of Instruction

AEROSPACE STUDIES (AEST)

100ab Aerospace Studies I: Air Force Mission and Organization (1-1, FaSp)
a: Introduction to U.S. Air Force and the military profession; USAF organization and functions; Strategic Air Command organization, command, control, and weapons systems; communication skills. *b:* Organization and function of NORAD; tactical air, military airlift, systems, logistics, air training and communications commands; Army, Navy, Marines; reserves; separate operating agencies.

110ab Leadership Laboratory I (1-1, FaSp) Introduction to the military experience focusing on customs and courtesies, drill and ceremonies, and the environment of an Air Force officer. Graded CR/NC.

200ab Aerospace Studies II: Air Force History (1-1, FaSp) *a:* Development of aerospace power in the U.S. through World War II; emphasis on the Army Air Corps; communication skills. *b:* Development of aerospace power since World War II; emphasis on international confrontations involving the United States; communication skills.

210ab Leadership Laboratory II (1-1, FaSp) Introduction to the military experience focusing on customs and courtesies, drill and ceremonies, and the environment of an Air Force officer. Graded CR/NC.

300ab Aerospace Studies III: Air Force Management and Leadership (3-3, FaSp) Air Force management focusing on the new manager in the Air Force milieu. Emphasis on communication skills peculiar to the Air Force.

310ab Leadership Laboratory III (1-1, FaSp) Practical introduction to Air Force leadership focusing on military communicative skills, group dynamics, and application of theories of leadership and management. Graded CR/NC.

400ab Aerospace Studies IV: National Security Forces in Contemporary American Society (3-3, FaSp) Military professionalism and the context in which defense policy is formulated and implemented; national security policy, political/ social constraints, and military justice.

410ab Leadership Laboratory IV (1-1, FaSp) Advanced Air Force leadership experience focusing on the practical development of the Air Force officer through command and staff positions within the Cadet Corps. Graded CR/NC.

420ab Leadership Laboratory V (1-1, FaSp) Advanced leadership experiences for AFROTC continuing cadets. Graded CR/NC.

MILITARY SCIENCE (MS)

101 Foundations of Officership (1, Fa) Introduces students to issues and competencies that are central to a commissioned officer's responsibilities. Establish framework for understanding officership, leadership, and Army values followed and "life skills" such as physical fitness and time management. (Duplicates credit in former MS 100).

102 Basic Leadership (1, Sp) Establishes foundation of basic leadership fundamentals such as problem solving, communications, briefings and effective writing, goal setting, techniques for improving listening and speaking skills and an introduction to counseling. (Duplicates credit in former MS 110).

201 Individual Leadership Studies (2, Sp) Students identify successful leadership characteristics through observation of others and self through experimental learning exercises. Students record observed traits (good and bad) in a dimensional leadership journal and discuss observations in small group settings. (Duplicates credit in former MS 200).

202 Leadership and Teamwork (2, Sp) Study examines how to build successful teams, various methods for influencing action, effective communication in setting and achieving goals, the importance of timing the decision, creativity in the problem solving process, and obtaining team buy-in through immediate feedback. (Duplicates credit in former MS 210).

301 Leadership and Problem Solving (3, Fa) Students conduct self-assessment of leadership style, develop personal fitness regimen, and learn to plan and conduct individual/small unit tactical training while testing reasoning and problem-solving techniques. Students receive direct feedback on leadership abilities. (Duplicates credit in former MS 300).

302 Leadership and Ethics (3, Sp) Examines the role communications, values, and ethics play in effective leadership. Topics include ethical decision-making, consideration of others, spirituality in the military, and survey Army leadership doctrine. Emphasis on improving oral and written communication abilities. (Duplicates credit in former MS 310).

401 Leadership and Management I (3, Fa) Develops student proficiency in planning and executing complex operations, functioning as a member of a staff, and mentoring subordinates. Students explore training management, methods of effective staff collaboration, and developmental counseling techniques. (Duplicates credit in former MS 400).

402 Leadership and Management II (3, Sp) Study includes case study analysis of military law and practical exercises on establishing an ethical command climate. Students must complete a semester long Senior Leadership Project that requires them to plan, organize, collaborate, analyze, and demonstrate their leadership skills. (Duplicates credit in former MS 410).

NAUTICAL SCIENCE (NAUT)

002abx Advanced Deepwater Cruising (2-2) Responsibilities and operations commanding an offshore sailing vessel including sailing theory and advanced techniques, advanced navigation, ships engineering, and oceanography relevant to seamanship. Not available for degree credit. *a*: Senior skipper. *b*: Advanced senior skipper. (Duplicates credit in former NAUT 302*ab*.) *Prerequisite for a*: NAUT 301*b*; *for b*: NAUT 002*a*.

301ab Deepwater Cruising (2-2, FaSp) An experiential approach to the sailing ship and seafaring, introducing offshore sailing theory and techniques, navigation, and basic oceanography as relevant to seamanship. Lecture and lab. *a*: Crew level. *b*: Watch captain. *Prerequisite: a* before *b*.

NAVAL SCIENCE (NSC)

135 Introduction to Naval Science (2, Fa) Introduction to the structure, principles, and practices, lines of command and control, and functions of the various components of the naval service. Lecture, 2 hours; laboratory, 2 hours.

137 Seapower and Maritime Affairs (4, Sp) Analysis of U.S. Navy development and campaigns; evolution of strategic, tactical, and maritime doctrines; interaction of naval affairs with national security and domestic policies. Lecture, 3 hours; laboratory, 2 hours. (Duplicates credit in former NSC 282.)

251 Seamanship and Ship Operations (3, Fa) Vector solutions of relative motion, tactical problems; tactical communications, instructions; fleet communications, organizations; rules of the Nautical Road; aviation and maritime meteorology; operation plans and orders. Lecture, 3 hours; laboratory, 1 hour. (Duplicates credit in former NSC 336.)

283 Naval Ships Systems I (Engineering) (3, Sp) Types, structure, and purpose of Naval ships, compartmentation, propulsion systems, auxiliary power systems, interior communications, ship control; ship design and stability. Lecture, 3 hours; laboratory, 2 hours. (Duplicates credit in former NSC 136.)

335 Navigation (3, Fa) Purposes, methods, and instruments of navigation; terrestrial and celestial navigation and nautical astronomy; time diagrams; lines of position by observation of celestial bodies. Lecture, 3 hours; laboratory, 2 hours.

337 Naval Ships Systems II (Weapons) (3, Sp) Systems approach to naval weapons; linear analysis of ballistics; weapons control systems configurations and dynamics. Field trips. Lecture, 3 hours; laboratory, 2 hours. (Duplicates credit in former NSC 250.)

343 Evolution of Warfare (3, Fa) Causes and practice of warfare from ancient times; impact of changes in strategy, tactics, and technology; modern revolutionary warfare, global conflict, and politico-military relationships. Lecture, 3 hours; laboratory, 2 hours.

392 Amphibious Warfare (3, Sp) Concepts of seaborne military operations; relationship of factors involved; characteristic operations of World War II; amphibious operation planning. Lecture, 3 hours; laboratory, 2 hours.

453 Leadership and Management I (2, Fa) Principles of human relationships; principles of decision-making and management at the junior officer level; theory and techniques of leadership. Lecture, 2 hours; laboratory, 2 hours.

454 Leadership and Management II (2, Sp) Introduction to primary duties of junior naval officers; counseling and interviewing techniques; review of basic administrative responsibilities at the division officer level. Lecture, 2 hours; laboratory, 2 hours.