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# USC School of Policy, Planning, and Development



*Urban planning students gather at a mosque near the USC campus before departing to Malaysia. During their stay in the island province of Penang, students worked on a project to make Georgetown a tourist draw.*

In June, 1998, USC created the School of Policy, Planning, and Development by combining its top-ranked Schools of Public Administration and Urban Planning and Development. The new school represents USC's increased commitment to programs that focus on bridging the public, private and non-profit sectors to address issues that impact the public good.

Building on the strengths of the two prestigious schools, the new school is a national leader in bringing government, business and community together. Capitalizing on our location in Southern California and our centers in Sacramento and Washington, D.C., 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. With satellite campuses located in Sacramento and Washington, D.C., the School of Policy, Planning, and Development is committed to training professionals to lead, shape and manage the evolving 21st century world order.

**Von KleinSmid Center 363**  
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**Administration**

Robert P. Biller, Ph.D., *Interim Dean*

Tridib Banerjee, Ph.D., *Vice Dean*

Regina T. Foley, J.D., M.B.A., SPHR,  
*Associate Dean*

Richard A. Sundeen, Ph.D., *Associate Dean*

Vicky Borrego, Ph.D., *Associate Dean, Director,  
 Washington Center*

Richard F. Callahan, M.P.A., *Chief  
 Administrative Officer, Sacramento Center*

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

Anita West, B.A., *Assistant Dean, Development  
 and External Relations*

**Faculty**

*University Professor:* Kevin Starr, Ph.D.

*C. Erwin and Ione L. Piper Dean's Chair in  
 Public Administration:* Robert P. Biller, Ph.D.

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

*Emery Evans Olson Chair in Public-Profit  
 Entrepreneurship:* James M. Ferris, Ph.D.

*Jeffrey J. Miller Chair in Government, Business  
 and the Economy:* Charles Cicchetti, 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.

*C.C. Crawford Professorship in Productivity  
 Improvement:* T. Ross Clayton, Ph.D.

*Professors:* William C. Baer, Ph.D., AICP;  
 Tridib Banerjee, Ph.D., AICP; Edward J.  
 Blakely, Ed.D.; Gerald Caiden, Ph.D.\*;  
 Jeffrey I. Chapman, Ph.D.\*; Michael Dear,  
 Ph.D. (*Geography*); William Dutton, Ph.D.  
 (*Communication*); Peter Gordon, Ph.D.  
 (*Economics*); Howard Greenwald, Ph.D.;  
 Genevieve Giuliano, Ph.D.; Alan Kreditor,

M.C.P., AICP; Martin Krieger, Ph.D.; David  
 Lopez-Lee, Ph.D.; Dowell Myers, Ph.D.;  
 Robert C. Myrtle, D.P.A.\*; Jane Pisano,  
 Ph.D., Jon Pynoos, Ph.D. (*Gerontology*);  
 Francine Rabvintovitz, Ph.D.; Harry W.  
 Richardson, M.A. (*Economics*); Robert  
 Stallings, Ph.D.; Kevin Starr, Ph.D.; Richard  
 A. Sundeen, Ph.D.\*; Detlof von Winterfeldt,  
 Ph.D.; Joseph S. Wholey, Ph.D.; Jennifer  
 Wolch, Ph.D. (*Geography*)

*Associate Professors:* Catherine G. Burke,  
 Ph.D.; Elizabeth Graddy, Ph.D.; Eric  
 Heikkila, Ph.D.; Greg Hise, Ph.D.; Phoebe  
 Liebig, Ph.D. (*Gerontology*); Jeffrey S.  
 McCombs, Ph.D. (*Pharmacy*); James Moore II  
 Ph.D. (*Engineering*); Michael Nichol, Ph.D.  
 (*Pharmacy*); Peter Robertson Ph.D.\*; Rena  
 Mourouzi Sivitanidou, Ph.D.; David Sloane,  
 Ph.D.; Shui Yan Tang, Ph.D.\*; Niraj Verma,  
 Ph.D.; Kathleen Wilber, Ph.D. (*Gerontology*)

*Assistant Professors:* LaVonna Blair, Ph.D.\*;  
 Cameron Gordon, Ph.D.; David Grazman,  
 Ph.D.; Juliet Musso, Ph.D.; Gary Painter,  
 Ph.D.

*Distinguished Practitioner:* Marvin Braude,  
 Honorary Doctorate

*Research Associate Professor of Public  
 Administration:* Michael Cousineau, Dr. P.H.

*Research Assistant Professor of Public  
 Administration:* Bryan Borys, Ph.D.

*Adjunct Professors:* Peter Bedford, B.A.;  
 Michael Brailoff, D.P.A.; Jonathan Brown,  
 D.P.A.; Hugh Evans, Ph.D.; Michael Keston,  
 M.B.A.; Kenneth Kizer, M.D.; Allan Kotin,  
 M.A.; Brian Malek, Ph.D.; Koichi Mera,  
 Ph.D.; Willard Price, Ph.D.; Richard Smith,  
 J.D.; David Wilcox, M.C.P.

*Adjunct Associate Professors:* Cary M. Adams,  
 J.D.; Gerald Barkdoll, D.P.A.; Bob Champion,  
 MRED; Joseph Coyne, Dr.P.H.; Thomas  
 Gardner, D.P.A.; Curtis Henke, Ph.D.; Mike  
 Horst, M.B.A.; Jeffrey Huffman, M.D.; Bryan  
 Jackson, J.D.; Susan Kamei, J.D.; Patrick  
 Kapsner, M.P.A., FACMPE; Jerry Katell,  
 M.B.A.; Bruce Noda, M.A.; James Ortner,  
 Ph.D.; Marcie Paolinelli, D.P.A.; John  
 Schunhoff, Ph.D.; Kennan Smith, M.Arch;  
 Daniel Straub, Ph.D.; Deborah Torres,  
 M.Arch; Carlos Urrutia, D.P.A.; Frank Wein,  
 M.P.L., AICP; Daniel White, Ph.D.; Michael  
 White, Ph.D.

*Adjunct Assistant Professors:* Edith Balbach,  
 Ph.D.; James Dulgeroff, Ph.D.; Darc Keller,  
 M.S.; John Kenagy, M.H.A.; John Laughlin,  
 D.P.A.; James McColm, M.S.; Frederick O.  
 Nelson, M.H.A.; Desmond Saunders  
 Newton, Ph.D.; Arthur Sponseller, J.D.;  
 Joseph Stewart, M.A.

*Clinical Professors:* Gail DellaVedova,  
 FACMPE; Sharon Grisby, M.B.A.; Melvin  
 Marks, M.D.; Patrick G. Hays, M.H.A.; Sam  
 J. W. Romeo, M.D.; Robert M. Sloane,  
 M.H.A., FACHE; G. Peter Shostak, M.H.A.;  
 John Steinhilber, LL.D.

*Clinical Associate Professors:* Jeffrey Green,  
 M.H.A.; Lise L. Luttgens, M.P.H.; Tecla A.  
 Mickoseff, M.B.A.; Donald Robertson,  
 M.B.A.; Joan D. Rose, M.P.H.; Martin B.  
 Ross, Dr.P.H.; Arthur S. Shorr, M.B.A.

*Clinical Assistant Professors:* Peter P. Aprato,  
 Ph.D.; Douglas D. Bagley, M.S.; Daniel K.  
 Bumgarner; Michael Carter, M.P.H.; C.  
 Joseph Chang, M.H.A.; Gregg DeNicola,  
 M.D.; Thomas D. Gordon; Matthew  
 Mazdyasni, M.S.; Thomas Mone, M.S.;  
 Patricia S. Neumann, M.S.; Charles E.  
 Payton, M.D.; Patrick Petre, M.H.R.M.;  
 Robert Rygg, B.S.; Chris Van Gorder, M.P.A.

*Lecturers:* Michael Bayard, J.D.; Ken Beck,  
 MRED; Amit Ghzh, Ph.D.; Stanley Iezman;  
 Thomas Kenster, M.A.I.; Tom Larmore, J.D.;  
 Leonard Mitchell, M.A., M.B.A.; J.D.; James  
 M. Moore, MCP; Ehud Mouchley, CRE; Ira  
 Norris; Stephanie Pincetl, Ph.D.; Ross  
 Selvidge, Ph.D.; Johannes Van Tilburg,  
 FAIA; Paul Vandeventer; Jeffrey Weiss,  
 MRED

*Emeritus Professors:* Melville C. Branch,  
 Ph.D.; Robert M. Carter, D.Crim.; Lois Friss,  
 Dr.P.H.; John Gerletti, Ed.D.; David Mars,  
 Ph.D.; Alexander McEachern, M.A.; E.K.  
 Nelson, D.P.A.; Warren Schmidt, Ph.D.;  
 Gilbert Siegel, 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 Professors:* Wesley E. Bjur,  
 Ph.D.; Eli Glogow, Dr.P.H.

\*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 and Management
- Bachelor of Science in Planning and Development
- Bachelor of Science in Public Policy, Management and Planning
- Master of Health Administration
- Master of Health Care Management
- 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 and Certificate in Transportation Systems (with Engineering)
- Doctor of Philosophy in Planning
- Doctor of Philosophy in Public Administration
- Doctor of Planning and Development Studies
- Doctor of Public Administration

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

The Master of Planning is offered as a dual master's degree with programs in architecture, landscape architecture, business administration, economics, gerontology, public art studies, social work, and the Law School.

The Master of Public Administration is offered as a dual master's degree with programs in planning, gerontology, 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 and Juris Doctor.

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 Law School.

**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 Degrees

The School of Policy, Planning, and Development offers three undergraduate degrees and 10 minors.

Degree programs include the Bachelor of Science in Public Policy and Management, Bachelor of Science in Planning and Development and the Bachelor of Science in Public Policy, Management and Planning. The School of Policy, Planning, and Development also offers minors in 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, and planning and development.

**Admission**

High school and transfer students may indicate their desire to declare planning and development, public policy and management, or public policy, management and planning as a major on their university application. Students enrolled at USC wishing to declare planning and development, public

policy and management, or public policy, management and planning must be in good academic standing and have completed a minimum of 24 USC units.

**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 Planning and Development

The Bachelor of Science in Planning and Development is an interdisciplinary, liberal arts degree program based fundamentally on the understanding of physical and social change. It is designed for the undergraduate with career goals in planning and development; or with plans to pursue graduate study in business, development, law, planning, public policy, or social welfare; or who simply wishes to acquire an effective understanding of the role and setting of real estate development, design and policy in everyday life. The program brings together knowledge of social processes, structure, design and analysis within a framework organized around the knowledge requirements of making effective public and/or private collective decisions.

The Bachelor of Science in Planning and Development provides a strong foundation in general education courses, a core curriculum in planning and development, elective course work and the selection of a concentration. During the final year, each student will complete an individual capstone project under the supervision of a member of the faculty and a class capstone project for a local planning or development client.

### Admission

Admission to the Bachelor of Science in Planning and Development is selective and highly competitive. Entering freshman and transfer students must meet university-wide admission guidelines. Students will be considered for admission up to the junior level.

Currently enrolled USC students may apply for admission at any time provided they have attained a cumulative minimum GPA of 3.0. Students with less than a GPA of 3.0 will be advised to take one full semester of PLDV courses and obtain at least a GPA of 3.0 for that semester. A personal interview and academic references may also be required on a case by case basis.

### 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 new program requires six courses in different categories, plus writing and diversity requirements, which are described in detail on pages 167 through 172.

All students who (1) entered the School of Policy, Planning, and Development as freshmen in the summer of 1997 or later; or (2) began college elsewhere in the summer of 1997 or later; or (3) began college earlier

but transfer to USC in the summer of 2000 or later, must satisfy the requirements of the new general education program. Other students whose schedules permit are encouraged to follow the new program as well. However, continuing and transfer students who began college full-time before summer 1997 and enter USC before summer 2000 may elect to satisfy a "transitional" plan instead, which is outlined on page 172.

### Pre-major Requirements

REQUIRED COURSES		UNITS
ITP 101x	Introduction to Computers and Data Processing	4
ECON 203	Principles of Microeconomics	4
and one of the following courses:		
MATH 108	Introductory College Mathematics	4
MATH 116	Mathematics for the Social Sciences I	4
MATH 117	Introduction to Mathematics for Business and Economics	4
MATH 118x	Fundamental Principles of the Calculus	4
MATH 125	Calculus I	4
MATH 200	Elementary Mathematics from an Advanced Standpoint	4

### Minor or Related Area Requirement

*Non-School of Policy, Planning, and Development Courses (16 units)*

A minor program or an approved related area of study is selected in consultation with an advisor.

### Major Requirements

CORE (28 UNITS)		UNITS
PLDV 355	Introduction to Urban, Regional, and International Planning	4
PLDV 361	Property Rights, Governance, and the Environment	4
PLDV 401	Politics and Ethics in Planning and Development	4
PLDV 402	Urban Economic Analysis	4
PLDV 404	Quantitative Methods for Planning and Development	4
PLDV 407	Principles of Urban Design	4
PLDV 485	History of Planning and Development	4

### METHODS COURSES (4 UNITS)

One of the following courses:

PLDV 315	Urban Sleuths: Exploring People and Places in Cities	4
PLDV 410	Graphic Techniques in Urban Planning	4
PLDV 455	Analysis for Planning and Development	4
PLDV 474	Urban Diversity and Communication	4

### Field Courses (12 units)

Select 12 units from either the development, design or policy concentrations.

### DEVELOPMENT

PLDV 403	Advanced Finance and Investment for Planning and Development	4
PLDV 405	Comparative International Planning and Development	4
PLDV 426	History and Development of Cities	4
PLDV 440	Introduction to Housing and Community Development	4
PLDV 447	Local Economic Development	4

### DESIGN

PLDV 300	Design of the Good: Conception and Judgment	4
PLDV 408	The Experience of Place	4
PLDV 414	Urban Design Practicum	4
PLDV 426	History and Development of Cities	4

### POLICY

PLDV 440	Housing and Community Development	4
PLDV 452	Planning, Policy-Making, and Social Change	4
PLDV 460	Political Economy and Planning	4
PLDV 461	Environmental Issues	4
PLDV 480	Introduction to Transportation Planning	4

PLDV ELECTIVES (TOTALING 8 UNITS)		UNITS						
PLDV 403	Advanced Finance and Investment for Planning and Development	4	PLDV 440	Housing and Community Development	4	PLDV 485	History of Planning and Development	4
PLDV 405	Comparative International Planning and Development	4	PLDV 447	Local Economic Development	4	PLDV 486	Los Angeles: The City, The Novel, The Movie	4
PLDV 408	The Experience of Place	4	PLDV 452	Planning, Policy-Making, and Social Change	4	PLDV 490x	Directed Research	2-8
PLDV 414	Urban Design Practicum	4	PLDV 455	Analysis for Planning and Development	4	PLDV 499	Special Topics	2-4
PLDV 426	History and Development of Cities	4	PLDV 460	Planning and Political Economy	4	CAPSTONE COURSES (8 UNITS)		UNITS
PLDV 427	Geographic Information Systems and Planning Applications	4	PLDV 474	Urban Diversity and Communication	4	PLDV 475L	Design and Development Laboratory	4
			PLDV 480	Introduction to Urban Transportation	4	PLDV 491	Senior Seminar	4

## Bachelor of Science in Public Policy and Management

### Degree Program

Students enrolled in the Bachelor of Science in Public Policy and Management major receive an undergraduate professional education in the context of a broad, liberal education. Breadth is demonstrated through completion of courses outside the School of Policy, Planning, and Development, including the areas of: general education, transnational studies and math and computer languages; pre-major requirements in economics, political science and sociology; and general electives.

The course of study within the major (54 units) includes three components: a common core of courses, including an internship, that provides a broad foundation; a choice of one of three specialized tracks — public institutions and public policy, public management, or health care policy and management; and policy area electives in an issue area of the student's choice.

Other special features of the undergraduate programs include the semester programs and the senior honors seminar.

### Careers in Public Policy and Management

Graduates receive preparation for a variety of entry-level professional positions in the public sector, in not-for-profit agencies and in for-profit companies which provide public policy and public services or which must be knowledgeable of, and sensitive to, public policy and public affairs concerns. Graduates also are 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, health services administration, gerontology and social work.

### Degree Requirements

Requirements for the major are listed below.

#### 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 new program requires six courses in different categories, plus writing and diversity requirements, which are described in detail on pages 167 through 172.

All students who (1) entered the School of Policy, Planning, and Development as freshmen in the summer of 1997 or later; or (2) began college elsewhere in the summer of 1997 or later; or (3) began college earlier but transfer to USC in the summer of 2000 or later, must satisfy the requirements of the new general education program. Other students whose schedules permit are encouraged to follow the new program as well. However, continuing and transfer students who began college full-time before summer 1997 and enter USC before summer 2000 may elect to satisfy a "transitional" plan instead, which is outlined on page 172. Transitional students majoring in public administration must take two courses in the natural sciences (categories III and IV).

*Math/Computer Languages* MATH 108 or MATH 116 or higher and ITP 101 or higher (8 units)

*Transnational Studies* Select one of the following

- Foreign Language — demonstrated competency through third semester of foreign language, or
- Semester Abroad — equivalent of 8 semester units, or
- Two courses (8 units) from Transnational Electives list

TRANSNATIONAL ELECTIVES		UNITS
ECON 350	The World Economy	4
GEOG 120	Geopolitics	4
IR 101x	International Relations	4
IR 306	International Organizations	4
IR 307	Contemporary International Politics	4
IR 330	Politics of the World Economy	4
LING 115	Language, Society, and Culture	4
PLDV 250	Third World Cities	4
PPMT 482	Comparative Public Administration	4

#### Pre-Major Requirements

PRE-MAJOR COURSES (16 UNITS)		UNITS
ECON 203	Principles of Microeconomics	4
ECON 205	Principles of Macroeconomics	4
POSC 100	Theory and Practice of American Democracy, or Principles, Institutions, and Great Issues of American Democracy	4
POSC 300	Introduction to Sociology, or	4
SOCI 200	Race Relations	4

*General Electives (10 units)*

*Public Policy and Management Core Courses*

CORE COURSES (30 UNITS)		UNITS
PPMT 215	Public Organizations and Management	4
PPMT 220	Simulated Policymaking in Urban Systems: Theory and Practice, or	
PPMT 200	Politics and Public Policy	4
PPMT 225	Public Policy Processes and Institutions	4
PPMT 240	Citizenship and Public Ethics	4
PPMT 357	Government and Business	4
PPMT 401	Public Policy and Management Issues and Practices (Internship)	2
PPMT 404	Statistics in Public Policy and Management	4
PPMT 473	Public Policy Analysis	4

*Tracks*

Students select one track for degree emphasis; they take 16 units (four courses) from the track selected.

**PUBLIC INSTITUTIONS AND PUBLIC POLICY**

TRACK (16 UNITS)		UNITS
PPMT 350	Urban Institutions and Policies	4
PPMT 371	The Nonprofit Sector and the Public Interest	4
PPMT 313	Finance of the Public Sector	4
PPMT 482	Comparative Public Administration	4
PPMT 486	Politics and Administration, or	
PPMT 410c	Washington, D.C., Semester	4

**PUBLIC MANAGEMENT TRACK (16 UNITS)**

TRACK (16 UNITS)		UNITS
PPMT 313	Finance of the Public Sector	4
PPMT 316	Administration of Personnel Resources	4
PPMT 351	Financial Accounting in Public and Nonprofit Organizations	4
PPMT 403	Management Analysis I	4
PPMT 414	Financial Management of Public and Nonprofit Organizations	4
PPMT 416	Introduction to Personnel Technology in Public Employment	4
PPMT 417	Training and Applied Behavioral Science	4
PPMT 485	Organizational Behavior in Public Administration	4
PPMT 486	Politics and Administration, or	
PPMT 410c	Washington, D.C., Semester	4

**HEALTH CARE POLICY AND MANAGEMENT**

TRACK (16 UNITS)		UNITS
PPMT 230	Introduction to Health Policy and Management	4
PPMT 330	Introduction to Health Care Systems	4
PPMT 351	Financial Accounting in Public and Non-profit Organizations	4
PPMT 439	Administration of Health Care Organizations	4

**MANAGEMENT COURSES FOR HEALTH CARE****SPECIALIZATION IN LIEU OF POLICY ELECTIVES**

TRACK (16 UNITS)		UNITS
PPMT 414	Financial Management of Public and Nonprofit Organizations	4

and one of the following:

PPMT 316	Administration of Personnel Resources	4
PPMT 403	Management Analysis I	4
PPMT 485	Organizational Behavior in Public Administration	4

*Policy Area Electives*

Students are encouraged, but not required, to specialize in a single issue area (8 units).

Students can develop their own policy issue area subject to approval of faculty advisor.

**URBAN ISSUES (8 UNITS)**

TRACK (8 UNITS)		UNITS
PLDV 440	Housing and Community Development	4
PLDV 480	Introduction to Urban Transportation	4
POSC 320	Urban Politics	4
PPMT 350	Urban Institutions and Policies	4
PPMT 406ab	Los Angeles Mini Semester	4
PPMT 421	Government and Administration in Metropolitan Areas	4

**RACE, GENDER, ETHNICITY, AND CLASS****(8 UNITS)**

TRACK (8 UNITS)		UNITS
AMST 202	Interethnic Diversity in the West	4
HIST 245	Gender and Sexualities in American History	4
POSC 421	Ethnic Politics	4
POSC 442	The Politics of Human Differences: Diversity and Discrimination	4
PPMT 406ab	Los Angeles Mini Semester	4
SOCI 342	Race Relations	4
SOCI 360	Social Inequality: Class, Status, and Power	4
SOCI 435	Women in Society	4
SOCI 437	Sexuality and Society	4

**ENVIRONMENT AND POPULATION (8 UNITS)**

TRACK (8 UNITS)		UNITS
GEOG 255	American Environmentalism	4
GEOG 257	Environment and Ethics	4
GEOG 345	Conservation of Natural Resources	4
GEOL 108L	Crisis of a Planet	4
POSC 347	Environmental Law	4
POSC 436	Environmental Politics	4
SOCI 333	Environment and Society	4
SOCI 344	Population, Business, and Public Affairs	4
SOCI 385	Population, Society, and Aging	4

**COMPARATIVE AND DEVELOPMENT****ADMINISTRATION (8 UNITS)**

TRACK (8 UNITS)		UNITS
ECON 340	Economics of Less Developed Countries	4
IR 325	Rich and Poor States in the World Political Economy	4
PLDV 250	Third World Cities	4
PPMT 482	Comparative Public Administration	4

**CRIME AND JUSTICE (8 UNITS)**

TRACK (8 UNITS)		UNITS
POSC 432	The Politics of Local Criminal Justice	4
PPMT 340	The American System of Justice	4
PPMT 342	Crime and Public Policy	4
SOCI 351	Sociology of Juvenile Delinquency and the Juvenile Justice System	4

**HEALTH (8 UNITS)**

TRACK (8 UNITS)		UNITS
ECON 472	Economics of Medical Care	4
GERO 416	Health Issues in Aging	4
PPMT 230	Introduction to Health Policy and Management	4
PPMT 330	Introduction to Health Care Systems	4
PPMT 439	Administration of Health Care Organizations	4
SOCI 475	Medical Sociology	4

**NATIONAL POLICY ISSUES (8 UNITS)**

TRACK (8 UNITS)		UNITS
PPMT 410a, d	Washington, D.C., Semester	4-4

*Policy Area Electives Options*

Students who have elected the Public Institutions and Public Policy track may take two courses in the Public Management track offering in lieu of policy area electives.

Students who have elected the Public Management track may take two courses in the Public Institutions and Public Policy track offerings in lieu of policy area electives.

PPMT 498 Senior Honors Seminar may be substituted for one of the policy area electives.

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

The Bachelor of Science in Public Policy, Management and Planning is designed to offer a solid introduction to the issues and institutions of public policy, management and planning. The program includes a foundation in general education; a core curriculum in public policy, management and planning; the opportunity for first-hand experience in the planning, policy or management process through a semester-long internship; and a series of elective courses in the area of planning and management. For additional information contact the School of Policy, Planning, and Development at (213) 740-0365.

The Bachelor of Science in Public Policy, Management and Planning builds from a 74-unit base which includes general education, pre-major requirements and general electives. Also, the student must complete 54 units in the major.

### 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 new program requires six courses in different categories, plus writing and diversity requirements, which are described in detail on pages 167 through 172.

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### General Requirements (16 units)

*Math/Computer Languages* — MATH 108 or MATH 116 or higher and ITP 101 or higher (8 units)

*Transnational Studies* Select one of the following:

- Foreign Language — demonstrated competency through third semester of foreign language, or
- Semester Abroad — equivalent of 8 semester units, or
- Two courses (8 units) from Transnational Electives list

TRANSNATIONAL ELECTIVES			UNITS	PUBLIC POLICY AND MANAGEMENT ELECTIVES			UNITS
ECON 350	The World Economy	4	A total of 4 units, selected from the following:				
IR 101x	International Relations	4	PPMT 313	Finance of the Public Sector	4		
IR 306	International Organizations	4	PPMT 316	Administration of Personnel Resources	4		
IR 307	Contemporary International Politics	4	PPMT 403	Management Analysis I	4		
IR 330	Politics of the World Economy	4	PPMT 485	Organizational Behavior in Public Administration	4		
LING 115	Language, Society, and Culture	4	PPMT 486	Politics and Administration, or			
PLDV 250	Third World Cities	4	PPMT 410c	Washington, D.C., Semester	4		
PPMT 482	Comparative Public Administration	4	<b>PLANNING ELECTIVES (16 UNITS, SELECTED FROM THE FOLLOWING)</b>				
<b>PRE-MAJOR REQUIREMENTS (16 UNITS)</b>			<b>UNITS</b>			<i>Methods Courses (4 units)</i>	
ECON 203	Principles of Microeconomics, and	4	One of the following courses:				
ECON 205	Principles of Macroeconomics	4	PLDV 315	Urban Sleuths: Exploring People and Places in Cities	4		
SOCI 200	Introduction to Sociology, or		PLDV 410	Graphics Techniques in Urban Planning	4		
SOCI 342	Race Relations	4	PLDV 455	Analysis for Planning and Development	4		
POSC 100	Theory and Practice of American Democracy, or		PLDV 474	Urban Diversity and Communication	4		
POSC 300	Principles, Institutions, and Great Issues of American Democracy	4	<i>Field Courses (12 units)</i>				
<i>General Electives (10 units)</i>			Select 12 units from either the development, design or policy concentrations.				
<b>PUBLIC POLICY, MANAGEMENT AND PLANNING CORE COURSES (34 UNITS)</b>			<b>UNITS</b>			<i>Development</i>	
PLDV 355	Introduction to Urban, Regional and International Planning	4	PLDV 403	Advanced Finance and Investment for Planning and Development	4		
PLDV 361	Property Rights, Governance, and the Environment	4	PLDV 405	Introduction to Comparative International Planning and Development	4		
PLDV 404	Quantitative Methods for Planning and Development	4	PLDV 426	History and Development of Cities	4		
PPMT 215	Public Organizations and Management	4	PLDV 440	Housing and Community Development	4		
PPMT 225	Public Policy Processes and Institutions	4	PLDV 447	Local Economic Development	4		
PPMT 240	Citizenship and Public Ethics	4	<i>Design</i>				
PPMT 357	Government and Business	4	PLDV 300	The Design of the Good: Conception and Judgment	4		
PPMT 401	Public Policy and Management Issues and Practices	2	PLDV 408	The Experience of Place	4		
PPMT 473	Public Policy Analysis	4	PLDV 414	Urban Design Practicum	4		
			PLDV 426	History and Development of Cities	4		

*Policy*

PLDV 440	Housing and Community Development	4
PLDV 452	Planning, Policy-Making, and Social Change	4
PLDV 460	Political Economy and Planning	4
PLDV 461	Environmental Issues	4
PLDV 480	Introduction to Urban Transportation Planning	4

**Internships**

Public Policy and Management and Public Policy, Management and Planning majors are required to complete at least one internship. Public Policy and Management majors, and other students, may participate in internships by enrolling in PPMT 401 Public Policy and Management Issues and Practices or PPMT 410b as part of the Washington, D.C., Semester. Internships are matched as closely as possible to the student's interests and skills.

PPMT 401 and PPMT 410b and the accompanying service 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 eight-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 eight-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. The urban foundation introduces participants to Los Angeles and to its metropolitan area from several perspectives: historical, political, sociological, architectural, cultural and ethnic. 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.

During the fall and spring semesters, the Washington, D.C., Semester has four components: two seminars, independent study and the internship.

The seminar serves as the focal point of the program, giving students the opportunity to integrate their experiences and learning through extensive discussions, papers and presentations. Meeting in small groups, students prepare briefings on current issues, integrate political/administrative theory and practical experience and share internship insights. Seminar participants visit the White House, the Supreme Court, Congress, many Cabinet departments, embassies and other agencies and organizations. In the seminar, students are encouraged to recognize the interrelationships among the various experiences that constitute the semester program. This integration of learning is central to the seminar. The independent study component allows students to pursue in-depth a national topic that is of particular interest. The design, research and resulting paper are done in consultation with a member of the faculty at the Washington Public Affairs Center. Students include personal interviews with decision makers in their research designs. The study culminates in a substantial written report and an oral presentation to all Washington, D.C., Semester participants.

A 10-week Summer Program in Washington, D.C., is occasionally available. This eight-unit semester is divided into two major components: an internship and a seminar on American government and politics.

*Sacramento Semester*

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

## 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 246) for course requirements.



## Bachelor of Science in Planning and Development 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 Planning and Development 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 new program requires six courses in different categories, plus writing and diversity requirements, which are described in detail on pages 167 through 172.

All students who (1) entered the School of Policy, Planning, and Development as freshmen in the summer of 1997 or later; or (2) began college elsewhere in the summer of 1997 or later; or (3) began college earlier but transfer to USC in the summer of 2000 or later, must satisfy the requirements of the new general education program. Other students whose schedules permit are encouraged to follow the new program as well. However, continuing and transfer students who began college full-time before summer 1997 and enter USC before summer 2000 may elect to satisfy a "transitional" plan instead, which is outlined on page 172.

### Pre-major Quantitative Requirements (12 units)

REQUIRED COURSES	UNITS	
I TP 101x	Introduction to Computers and Data Processing	4
ECON 203	Principles of Microeconomics	4
and one of the following courses:		
MATH 108	Introductory College Mathematics	4
MATH 116	Mathematics for the Social Sciences I	4
MATH 117	Introduction to Mathematics for Business and Economics	4
MATH 118x	Fundamental Principles of the Calculus	4
MATH 125	Calculus	4
MATH 200	Elementary Mathematics from an Advanced Standpoint	4

### Minor or Related Area Requirement (16 units)

An outside area of study comprising 16 units of related course work or a minor program is selected by each student in consultation with an advisor.

### Free Electives (4 units)

Selected with consent of advisor.

### Undergraduate Major Requirements

CORE (24 UNITS)		UNITS
PLDV 355	Introduction to Urban and Regional Planning	4
PLDV 361	Property Rights, Governance, and the Environment	4
PLDV 401	Political Foundations for Planning and Development	4
PLDV 402	Economic Foundations for Planning and Development	4
PLDV 407	Principles of Urban Design	4
PLDV 485	History of Planning and Development	4
METHODS COURSE (4 UNITS)		
One of the following courses:		
PLDV 315	Urban Sleuths: Exploring People and Places in Cities	4
PLDV 410	Graphic Techniques in Urban Planning	4
PLDV 455	Analysis for Planning and Development	4
PLDV 474	Urban Diversity and Communication	4
FIELD COURSES (12 UNITS)		
Select 12 units from either the development, design or policy concentration.		
<i>Development</i>		
PLDV 403	Advanced Finance and Investment for Planning and Development	4
PLDV 405	Introduction to Comparative International Development	4
PLDV 426	History and Development of Cities	4
PLDV 440	Housing and Community Development	4
PLDV 447	Local Economic Development	4

### *Design*

PLDV 300	The Design of the Good: Conception and Judgment	4
PLDV 408	The Experience of Place	4
PLDV 414	Urban Design Practicum	4
PLDV 426	History and Development of Cities	4

### *Policy*

PLDV 440	Housing and Community Development	4
PLDV 452	Planning, Policy-Making, and Social Change	4
PLDV 460	Planning and Political Economy	4
PLDV 461	Environmental Issues	4
PLDV 480	Introduction to Urban Transportation	4

### PLDV ELECTIVES (COURSES TOTALING 4 UNITS)

PLDV 403	Advanced Finance and Investment for Planning and Development	4
PLDV 405	Introduction to Comparative International Development	4
PLDV 408	The Experience of Place	4
PLDV 426	History and Development of Cities	4
PLDV 427	Geographic Information Systems and Planning Applications	4
PLDV 440	Housing and Community Development	4
PLDV 447	Local Economic Development	4
PLDV 452	Planning, Policy-Making, and Social Change	4
PLDV 455	Analysis for Planning and Development	4
PLDV 460	Political Economy and Planning	4
PLDV 461	Environmental Issues	4
PLDV 474	Urban Diversity and Communication	4
PLDV 480	Introduction to Urban Transportation	4
PLDV 485	History of Planning and Development	4
PLDV 486	Los Angeles: The City, The Novel, The Movie	2
PLDV 490x	Directed Research	2-8
PLDV 499	Special Topics	2-4

### CAPSTONE COURSES (8 UNITS)

PLDV 475L	Design and Development Laboratory	4
PLDV 491	Senior Seminar	4

**Graduate Course Requirements**

CORE		UNITS
PLUS 501	Planning Theory	2
PLUS 502	Statistics and Arguing from Data	4
PLUS 505	Comparative International Development	2
PLUS 506	The Social Context of Planning	2
PLUS 507	The Urban Economy	2
PLUS 509	Legal Environment of Planning	2
PLUS 510	Historical Analysis of Urban Form and Planning Practice	2
<i>Specialization Methodology</i>		
	Students select a four-unit methodology specialization from the list in the Master of Planning description.	4

*Laboratory*

PLUS 676L Core Laboratory Workshop 8

*Electives*

Elective courses to total 16 units of which at least eight must be 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 PLDV course work (including any graduate PLUS 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.

## 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, nursing, psychology, communication, education and other academic areas. It requires 22 units. See the School of Social Work section (page 746) 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 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 478) 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 250) 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, nonprofit 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
PPMT 230 Introduction to Health Policy and Management (Gateway course)	4
PPMT 330 Introduction to Health Care Systems	4
PPMT 439 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
PPMT 316 Administration of Personnel Resources	4
PPMT 351 Financial Accounting in Public and Nonprofit Organizations	4
PPMT 414 Financial Management of Public and Nonprofit Organizations	4
PPMT 485 Organizational Behavior in Public Administration	4

\*Completion of the prerequisite ECON 303 is required before enrolling in ECON 472.

**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 (PPMT 401 Public Policy Management Issues and Practice). For additional course information, see page 283.

**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 283) 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, PPMT 225 Public Policy Processes and Institutions, and one elective. The latter enables the student to focus on a specific area of law.

REQUIRED COURSES	UNITS
ECON 203 Principles of Micro-economics	4
LAW 200x Law and Society	4
POSC 340 Constitutional Law	4
PPMT 225 Public Policy Processes and Institutions	4
PPMT 404 Statistics for Public Policy and Management	4
PPMT 473 Public Policy Analysis	4

And one of the following:

ECON 434 Economic Analysis of Law	4
POSC 345 International Law	4
POSC 347 Environmental Law	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

**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
PPMT 215 Public Organizations and Management	4
PPMT 351 Financial Accounting in Public and Nonprofit Organizations	4
PPMT 414 Financial Management of Public and Nonprofit Organizations	4
PPMT 485 Organizational Behavior in Public Administration	4

**PUBLIC MANAGEMENT ELECTIVES** UNITS

Choose two courses from one of the following tracks:

*Management*

PPMT 403 Management Analysis I	4
PPMT 482 Comparative Public Administration	4
PPMT 486 Politics and Administration	4

*Human Resources*

PPMT 316 Administration of Personnel Resources	4
PPMT 417 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
PPMT 225	Public Policy Processes and Institutions (Gateway course)	4
PPMT 404	Statistics in Public Policy and Management (or equivalent)	4
PPMT 473*	Public Policy Analysis	4

*Public Policy Electives*

CHOOSE TWO COURSES FROM THE FOLLOWING:		UNITS
GERO 451	Policy and Program Development in Aging	4
PLDV 440	Housing and Community Development	4
PLDV 480	Introduction to Urban Transportation	4
POSC 347	Environmental Law	4
PPMT 313**	Finance and the Public Sector	4
PPMT 330	Introduction to Health Care Systems	4
PPMT 342	Crime and Public Policy	4
PPMT 350	Urban Institutions and Policies	4
PPMT 357**	Government and Business	4
PPMT 371	Nonprofit Sector and the Public Interest	4
PPMT 486	Politics and Administration	4

\* Completion of the prerequisites ECON 203 and PPMT 404 is required before enrolling in PPMT 473.

\*\* Completion of the prerequisite ECON 203 is required before enrolling in PPMT 313 or 357.

**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 PLDV 100 or PLDV 250.

*Curriculum Requirements*

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

COURSE REQUIREMENTS		UNITS
Introductory course (required)		
Select one of the following:		
PLDV 100	Los Angeles: The Enduring Pueblo	4
PLDV 250	Third World Cities	4
Overview of the profession (required course)		
PLDV 355	Introduction to Urban, Regional, and International Development Planning	4
One methodology course required from the following:		
PLDV 315	Urban Sleuths: Exploring People and Places in Cities	4
PLDV 404	Quantitative Methods for Planning and Development	4
PLDV 407	Principles of Urban Design	4
PLDV 427	Geographic Information Systems and Planning Applications	4

One context course required from the following:

PLDV 361	Property Rights, Governance, and the Environment	4
PLDV 401	Politics and Ethics in Planning and Development	4
PLDV 402	Urban Economic Analysis	4
PLDV 405	Introduction to Comparative International Planning and Development	4

One professional specialization course required from the following:

PLDV 403	Advanced Finance and Investment for Planning and Development	4
PLDV 414	Urban Design Practicum	4
PLDV 440	Housing and Community Development	4
PLDV 447	Local Economic Development	4
PLDV 452	Planning, Policy-Making, and Social Change	4
PLDV 460	Political Economy and Planning	4
PLDV 461	Environmental Issues	4
PLDV 474	Urban Diversity and Communication	4
PLDV 480	Introduction to Urban Transportation	4
PLDV 485	History of Planning and Development	4

Capstone course (required)

PLDV 475L	Design and Development Laboratory	4
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## Aerospace Studies

**Physical Education Building 112**  
**(213) 740-2670**

### Administration

David D. Hokaj, *Commander*

### Faculty

*Professor:* David D. Hokaj, M.A. (*Colonel, USAF*)

*Assistant Professors:* Troy E. Dunn, M.A. (*Captain, USAF*); Brian J. Haug, M.B.A. (*Captain, USAF*); Gregory S. Weaver, M.S. (*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 LAS 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.

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 300 and 400) 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 300.

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

Jerry W. Pearce, *Commander*

### Faculty

*Professor/Commander:* Jerry W. Pearce (*Lieutenant Colonel, Field Artillery*)

*Professors:* Sean MacIntosh; Paul C. Dulchinos (*Major, Engineer*)

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 \$21,950 in yearly benefits. Scholarships are available in all majors. Because of advances in aviation, military equipment technology and medicine, technical, engineering and nursing majors are highly desirable. 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 100 and MS 110 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 \$21,950 in yearly benefits.

### Enrolled Cadets

Cadets who are not awarded Army scholarships but are enrolled in the ROTC program during their junior and senior year receive \$150 per month subsistence allowance. All cadets, enrolled and scholarship, 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 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 an ROTC basic camp or by previous junior ROTC participation. Scholarships are available, on a competitive basis, for students with two 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 junior and senior cadets in the four-year program.

### Field Training

Several military training programs are available to qualified cadets. A six-week paid ROTC Basic Camp at Fort Knox, Kentucky, qualifies students for the two-year program. All cadets attend a 35-day paid ROTC Advanced Camp at Fort Lewis, Washington, after their junior year; this camp 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

William H. Allen, *Commanding Officer*

#### Faculty

*Professor:* William H. Allen, M.S. (*Captain, U.S. Navy*)

*Associate Professor:* James S. Trotter, M.S. (*Lieutenant Colonel, U.S. Navy*)

*Assistant Professors:* Marcia A. Kuehl, M.S., (*Major, U.S. Marine Corps*); John C. Mosier, B.S. (*Lieutenant, U.S. Navy*); Keith G. Tiernan, B.S. (*Lieutenant, U.S. Navy*); Vincent M. Vanoss, 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,

books and \$150 per month subsistence pay. 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 pay of \$150 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 serve-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.

*Navy Nurse Corps Option*

Four-year NROTC Nurse Corps scholarships are also available to students who are pursuing a Bachelor of Science in Nursing. Upon graduation, Nurse NROTC Scholarship Program midshipmen will be commissioned as reserve officers in the Navy Nurse Corps. Nurse corps option students are only required

to take the 100-level and 400-level naval science courses. The NSC 453 course requirement may be waived with approval from both the chairman of the Department of Nursing and the professor of naval science if a similar course is offered by the Department of Nursing. Nurse Corps option students attend two summer cruises, with the second one spent at a Naval hospital to learn its organization and functions, and to gain respect for the concept of the Navy healthcare team.

*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, and Nurse Corps option students only need fulfill the English requirement.

## Graduate Degrees

**Admission**

Applicants for admission to the Master of Planning, Master of Planning and Development Studies, Master of Construction Management, Master of Health Administration, Master of Health Care Management, Master of Public Policy and Management, Master of Public Administration, Master of Public Policy, Master of Real Estate Development, the Doctor of Planning and Development Studies, the Doctor of Philosophy in Public Administration, the Doctor of Philosophy in Planning, the Doctor of Planning and Development Studies, or the Doctor of Public Administration 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 3.0 (A = 4.0) is normally expected as well as satisfactory scores on the Graduate Record Examinations (GRE) (a minimum score of 1,000 on the verbal and quantitative sections combined is normally expected of master's applicants and 1,200 for

students applying to the Ph.D.). 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) 740-2052. 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.

## 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:

CORE CURRICULUM		UNITS
ARCH 511L	Seminar: Building Systems	4
CE 501	Functions of the Constructor	3
CE 556ab	Project Cost Estimating and Control	3-3
CE 502	Construction Accounting and Finance, or	
GSBA 510	Accounting Concepts and Financial Reporting, or	
ACCT 538	Tax and Accounting	3
RED 509	Issues in Real Estate Market Analysis for Real Estate Development	4
RED 542	Finance of Real Estate Development	4
Additional advisor approved technical and advanced electives		9
		<hr/> 33

The minimum requirement for the Master of Construction Management degree is 33 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 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.

### General Requirements

#### *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 four 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.



## 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 both the public and private sectors to permit effective functioning as a manager in each.

The M.H.A. degree is offered at the University Park and Sacramento campuses only.

### Requirements for Admission

#### General

Applicants for the Master of Health Administration must apply separately to the Health Services Administration 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.

#### The Accelerated M.H.A. Program

The Health Services Administration 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 717.

### Curriculum

Curriculum for the M.H.A. includes 12 courses. In addition, a supervised field placement (residency) in a health service organization is required.

REQUIRED CORE		UNITS
PUAD 512	Public Sector Economics	4
PUAD 530	Problems and Issues in the Health Field	4
PUAD 531a	Financial Management of Health Services	4
PUAD 532	Health Information Systems	4
PUAD 533	Health Administration Residency Seminar	2-2
PUAD 536	Legal Issues in Health Care Delivery	4
PUAD 537	Economic Concepts Applied to Health	4
PUAD 558	Quantitative Analysis I	4
PUAD 585	Human Behavior in Public Organizations	4
PUAD 593	Advanced Seminar in Health Services Administration (Capstone Course)	4
ELECTIVES: ANY TWO, BUT EMPHASIS ON:		UNITS
PUAD 508	Management of Managed Care Organizations	4
PUAD 509	Management of Long-Term Care Organizations	4
PUAD 516	Concepts and Practices in Public Personnel Administration	4
PUAD 535	Strategic and Operational Planning for Health Services	4
PUAD 538	Marketing of Health Services	4
PUAD 539	Seminar in Hospital Administration	4
PUAD 569	Administration of Mental Health Services	4
PUAD 573	Wellness in the Workplace	4

Note: All courses are four units, with the exception of PUAD 533 Health Administration Residency Seminar. This course is two units per semester; two semesters of PUAD 533 are required for the M.H.A.

## Master of Health Care Management

The executive Master of Health Care Management 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 MHM degree. In particular, the MHM is targeted to individuals such as:

- (1) practicing physicians who are assuming management responsibility;
- (2) hospital medical directors who are becoming highly involved in managed care; and
- (3) health care and physician practice managers who desire to expand their skills into managed care and strengthen their business and general management capabilities.

This program uses a non-traditional, collaborative approach to executive education. Course work themes are interdisciplinary to optimize integrative learning.

REQUIRED COURSES		UNITS
HMG 510	The Dynamics of Health Care Leadership	4
HMG 520	Leading People and Health Care Organizations	4
HMG 525	Managed Care Operations	4
HMG 540	Health Economics and Insurance Mechanisms	4
HMG 545	Systems Thinking and the Analysis of Data	4
HMG 550	Law, Regulation, and Ethics	4
HMG 560	Customer-Focused Health Care Organizations	4
HMG 565	Managing the Organization's Financial Health	4
HMG 570	Strategic Management	4
HMG 575	Managing and Improving Health	4

Through the integrated curriculum, participants gain practical skills which are 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, MHM graduates will achieve advanced competency in disciplines which include health economics, finance, marketing, managed care operations, strategic analysis and management, business development, 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 guest lecturers in class sessions, the program features a bi-weekly speaker series and executives guest speaker forum. The opportunity to interact with health care's leading thinkers, policymakers and practitioners is an essential component of the MHM program.

The program begins the last week of August with a required residential program. In year one, the off-site residential program focuses on developing core competencies in teamwork and communication along with a strong foundation in current health care and managed care issues, trends and skills for future success. Thereafter the program meets on the University Park Campus on alternating Fridays and Saturdays throughout the year with a 10-week summer break. This class schedule permits health care professionals to maintain their full-time careers while pursuing an advanced degree.

Applicants should have at least a bachelor's degree from an accredited university and seven to 10 years of significant professional health care experience. The MHM office is located in Von KleinSmid Center, Room 263, School of Policy, Planning, and Development, (213) 740-9869, FAX (213) 740-0001, or email: gmelnick@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. Planners are now actively engaged in evaluating and guiding change and development at the corporate, community, national and international levels through the private, public 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 remainder of this century and the next. 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.

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 nine areas. The nine concentrations offered are: built environment and urban design; community change, housing and social policy; environmental policy and planning; history and preservation; information technology and geographic information systems; international planning and development; land use and transportation; local economic and land development; and urban and regional analysis.

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, four 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:

PLUS 501	Planning Theory	2
PLUS 502	Statistics and Arguing from Data	4
PLUS 505	Comparative International Development	2
PLUS 506	The Social Context of Planning	2
PLUS 507	The Urban Economy	2
PLUS 509	Legal Environment of Planning	2
PLUS 510	Historical Analysis of Urban Form and Planning Practice	2
		16

### 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, corporations and firms often sponsor PLUS 676L 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, data bases, background information, base maps, or any one of many specific contributions.

Each summer, the school offers one or more international laboratory/workshops. 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 eight units of PLUS 676L (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.

PLUS 504	Research and Analytical Techniques	4
PLUS 573	Design Skills for Urban Planners	4
PLUS 574	Planning Analysis and Evaluation	4
PLUS 606	Advanced Research Methods in Planning: Multivariate Statistical Methods	4
PLUS 607	Advanced Research Methods in Planning: Optimization and Matrix Methods	4
PLUS 608	Advanced Research Methods in Planning: Survey Research Methods	4
PLUS 609	Advanced Research Methods in Planning: Qualitative Methods	4

#### *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.

*Built Environment and Urban Design:* PLUS 610 (4), PLUS 615 (4), PLUS 631 (4), PLUS 633 (4), PLUS 643 (4); RED 673 (2), RED 674 (2), RED 675 (4)

*Community Change, Housing, and Social Policy:* PLUS 508 (4), PLUS 539 (4), PLUS 540 (4), PLUS 543 (4), PLUS 545 (4), PLUS 550 (4), PLUS 552 (4), PLUS 570 (4), PLUS 633 (4), PLUS 643 (4); RED 598 (2)

*Environmental Policy and Planning:* PLUS 508 (4), PLUS 526 (4), PLUS 539 (4), PLUS 541 (4), PLUS 561 (4), PLUS 562 (4), PLUS 600 (4), PLUS 615 (4), PLUS 623 (4), PLUS 626 (4)

*History and Preservation:* PLDV 426 (4), PLDV 485 (4), PLDV 486 (2); RED 573 (2)

*Information Technology and Geographic Information Systems:* PLUS 526 (4), PLUS 626 (4), PLUS 676L (4)

*Land Use and Transportation:* PLUS 560 (4), PLUS 562 (4), PLUS 565 (4), PLUS 566 (4), PLUS 580 (4), PLUS 581 (4), PLUS 582 (4), PLUS 680 (4)

*Local Economic and Land Development:* PLUS 521 (4), PLUS 540 (4), PLUS 541 (4), PLUS 543 (4), PLUS 545 (4), PLUS 546 (4), PLUS 547 (4), PLUS 550 (4), PLUS 552 (4), PLUS 560 (4), PLUS 562 (4), PLUS 565 (4), PLUS 566 (4), PLUS 570 (4), PLUS 623 (4), PLUS 643 (4); RED 509 (4), RED 542 (4), RED 546 (4)

*International Planning and Development:* PLUS 543 (4), PLUS 631 (4), PLUS 632 (4), PLUS 633 (4), PLUS 634 (4), PLUS 635 (4), PLUS 640 (4), PLUS 643 (4); RED 583 (2), RED 585L (4)

*Urban and Regional Analysis:* PLUS 539 (4), PLUS 565 (4), PLUS 566 (4), PLUS 635 (4); RED 509 (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 explicitly covers 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 fall and spring semesters 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 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 a Professional Development Office 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 and one semester must be in full-time residence. The semester in residence must be taken within two academic years after admission to the program, and at least eight units of required course work must be taken.

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: PLUS 501, 502, 505, 506, 507, 509, 510, 590, 594 and 676L.

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
PLUS 503	Policy Issues in Planning and Development	4
PLUS 504	Research and Analytical Techniques	4
PLUS 591	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: PLUS 526 (4), PLUS 540 (4), PLUS 543 (4), PLUS 545 (4), PLUS 546 (4), PLUS 547 (4), PLUS 560 (4), PLUS 570 (4), RED 509 (4), RED 542 (4), RED 546 (4)

*Environmental Policy and Planning* Select 16 units from the following courses: PLUS 526 (4), PLUS 539 (4), PLUS 541 (4), PLUS 561 (4), PLUS 562 (4), PLUS 563 (4), PLUS 581 (4), PLUS 600 (4), PLUS 626 (4), PLUS 633 (4), PLUS 643 (4), PLUS 676L (4)

*International Planning and Development* Select 16 units from the following courses: PLUS 543 (4), PLUS 631 (4), PLUS 632 (4), PLUS 633 (4), PLUS 634 (4), PLUS 635 (4), PLUS 640 (4); RED 583 (2), RED 585L (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 (PLUS 591) 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 Sacramento 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 Articulation Office 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: PLUS 503, PLUS 504 and PLUS 591. 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.

With the exceptions noted below all questions about the programs and all materials required for admission should be submitted to: M.P.A. Programs, Admissions Office, VKC 232, University Park, University of Southern California, Los Angeles, CA 90089-0626.

Exceptions to this procedure are those candidates applying for admission to the M.P.A. programs in Sacramento and Washington, D.C.

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. *For applicants to the programs in Sacramento:* Master of Public Administration

Programs, Sacramento Center, 1201 J Street, Sacramento, CA 95814; *For applicants to programs in Washington, D.C.:* Master of Public Administration Programs, Washington Center, 512 Tenth Street, N.W., Washington, D.C. 20004.

#### **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 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.

**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 PPMT 404 with a grade of B 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 PUAD 506, PUAD 514, PUAD 525, PUAD 558 or PUAD 591.

*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 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 submits a memo assigning transfer credit to the Degree Progress Department in the Office of Academic Records and Registrar.

Upon approval by the director of the degree program, a candidate for the M.P.A. who has done graduate work at a recognized institution prior to admission to USC or holds a master's degree from a recognized institution may receive transfer credit for a maximum of eight semester units.

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 petition for transfer; (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.

**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.

**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 International Admissions, 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 International Public Administration Center and the Office of International Student Services. 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 eight 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, VKC 232, 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 eight units of appropriate graduate work toward the M.P.A. after admission. Units beyond these first eight must be petitioned for through the school. Students on limited status are encouraged to complete the application and admission processes before completing those first eight units.

**D.P.A. and Ph.D. Candidates**

D.P.A. and 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**

The M.P.A. core consists of four, four-unit courses:

PUAD 500	Public Administration and Society
PUAD 512	Public Sector Economics
PUAD 595	Public Organization and Management Theory
PUAD 597	Professional Practice of Public Administration

Three of the required core courses (PUAD 500, 512 and 595) provide the foundation to the field and the fourth (PUAD 597) serves as a capstone course. PUAD 500 must be taken in the first semester or within the first 12 units and PUAD 597 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>		
PUAD 506*	Administrative Research and Analysis, or Program and Policy Evaluation, or	
PUAD 525*	Quantitative Analysis I	4
PUAD 558*		
<i>Organizational Behavior</i>		
PUAD 585	Human Behavior in Public Organizations	4
<i>Finance</i>		
PUAD 514*	Public Financial Management and Budgeting	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.)

(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 PUAD 506, 514, 525 or 558. A student must pass the school's statistics competency examination or pass PPMT 404 with a grade of B 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:

- federal public management
- financial management
- human resource management
- information systems
- intergovernmental management
- international policy and management
- local government
- nonprofit management
- population statistics
- regulatory policy and management

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

**Thesis Option**

Thesis option, PUAD 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.

**Internship and PUAD 544 Internship Seminar**

Pre-service students are required to take the internship and PUAD Internship Seminar in the same semester. The student is placed in a supervised internship position, working a minimum of 16 hours for at least 10 weeks.

**Specialization in Intergovernmental Management**

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

Students in this specialization enroll in courses and serve internships at each of three sites — studying local government issues in Los Angeles, state government issues in Sacramento and federal government issues in Washington, D.C., — offering participants an opportunity to study and understand the complex interrelationships among the three levels of government.

In addition to completing M.P.A. core requirements, students enroll in PUAD 552, 553 and 554. PUAD 564 may be substituted for PUAD 554.

## Master of Public Policy

The Master of Public Policy (M.P.P.) program is designed to prepare students for careers as professional policy analysts. The program is under the jurisdiction of the School of Policy, Planning, and Development. When compared with the Master of Public Administration program, this degree places more emphasis on analytic and quantitative skills and concludes with a unique opportunity to integrate knowledge acquired through a practicum course.

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 completed a minimum of the equivalent of three semester hours in each of the following subjects: microeconomic theory, American political institutions and statistics. If these prerequisites are not satisfied upon application, the applicant may be admitted on special status while they are being completed.

### 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
PUAD 512	Public Sector Economics	4
PUAD 527	Public Policy Formulation	4
PUAD 529	Public Policy Evaluation	4
PUAD 558	Quantitative Analysis I	4
PUAD 559	Quantitative Analysis II	4
PUAD 570	Organizations and Public Policy	4
PUAD 572	Methods for Policy Analysis	4
PUAD 589	Policy Analysis Practicum	4

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

MANAGEMENT COURSE (CHOOSE ONE)		UNITS
PUAD 514	Public Financial Management and Budgeting	4
PUAD 519	Alternative Dispute Resolution	4
PUAD 551	Financial Accounting in the Public and Non-Profit Sectors	4
PUAD 552	Intergovernmental Management: Local Perspective	4
PUAD 578	Nonprofit Management and Leadership	4
PUAD 585	Human Behavior in Public Organizations	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 with the advice and written consent of the director of the M.P.P. program. The following

are examples of possible areas of concentration: Communications Policy, Education Policy, Environmental Policy, Gerontology Policy, Government Finance Policy, Health Policy and Social Welfare 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.

*Specialization in Intergovernmental Management*  
M.P.P. students may choose to specialize in intergovernmental management. This specialization offers students the opportunity to study public policy and the complexity of intergovernmental relationships at three levels of government. Students enroll in courses and serve internships in Los Angeles, Sacramento and Washington, D.C.

In addition to completing the M.P.P. core requirements, students enroll in PUAD 552 Intergovernmental Management: Local Perspective, PUAD 553 Intergovernmental Management: State Perspective and PUAD 554 Intergovernmental Management: Federal Perspective. PUAD 564 Federal Management Systems may be substituted for PUAD 554.

Students interested in this specialization must notify the M.P.P. director prior to beginning their courses in the M.P.P. program.

## Master of Public Policy and Management

The Master of Public Policy and Management (MPPM) is designed for public sector managers and planners who are assuming increased management responsibility; managers, planners and analysts involved in social sector programs who want to expand their skills in management and strengthen their analytic and policy analysis capabilities; and health care administrators, managers and analysts who are becoming highly involved in the design, evaluation and leadership of health care programs.

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 course credits. 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: PUAD 507 Applied International Policy Analysis and Management Project; PUAD 512 Public Sector Economics; PUAD 523 Applied Statistics for Planning, Policy and Management; PUAD 524 International Public Policy and Management Seminar; and PUAD 525 Policy and Program Evaluation.



Students in the program select an area of concentration in which they complete a second tier of recommended courses. Each of these concentrations offers a selection of optional tracks, or interest areas, allowing students to pursue in depth one or more areas of particular relevance to their career goals. The concentration areas enable students in the interdisciplinary MPPM program to establish a second "home" in one of the school's programs, such as health administration. Students are required to consult with faculty advisors to choose elective courses best suited to their needs.

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 nationally-renowned academic specialists and experts in applied fields such as health care policy and management. In addition to the participation of international experts and visiting scholars as guest lecturers in class sessions, the program features an international seminar on public policy and management with guest lectures by high level policy makers from the student's home countries. 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 late June with intensive English language workshops and a course in applied methods. The language workshop can be waived for students with 600+ 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 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 students who are not working while they are 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. Some students may be able to complete their course work in 11 months and would be eligible for an optional two-month internship arranged for them by the program. Applicants should have at least a bachelor's degree from an accredited university and five to seven years of significant professional experience. The Master of Public Policy and Management Program office is located in the School of Policy, Planning, and Development, Von KleinSmid Center, Room 263, phone (213) 740-9869, fax (213) 740-0001.

## 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 part-time 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 (32 units), elective courses (8 units) and a comprehensive examination. Students must complete a total of 40 units.

### Core Curriculum

The core comprises nine 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 675L, 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 Development	4
RED 542	Finance of Real Estate Development	4
RED 546	Development Processes	4
RED 547	Project Management and Construction	2
RED 551	The Approval Process	4
RED 662	Legal Issues in Real Estate Development	4
RED 673	Design History and Criticism	2
RED 674	Building Typologies	2
RED 675L	Community Design and Site Planning	4

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, and Business, the Law School 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 July. The full-time program requires 10 months of study. Students will enroll in eight units in the summer session and 16 units in the fall and spring semesters. The part-time option is completed over a two-year period. Students will enroll in four units in the summer session and eight units in the fall and spring semesters. 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 and site visits.

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; a calculator and/or spreadsheet one unit class is offered on-line via the Internet. Students must pass this course or a diagnostic examination prior to the start of classes in July.

#### *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 40 units while enrolled in the Master of Real Estate Development program. Course work taken prior to admission will not be retroactively applied toward the degree; students will be granted subject credit. 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 ISE 225, PLDV 404 or CE 408;
- 2) one course in engineering economy, equivalent to ISE 360;
- 3) one course in micro-economics, 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
PLUS 580	Urban Transportation Planning and Management	4
PLUS 581	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 (PUAD 500, 512, 595 and 597); and 12 units of management competencies (PUAD 514, 506 or 525 or 558, and 585). In addition, students must take 16 units of course work in finance and related subjects (PUAD 513, 551, 552 or 553 or 564, and 527 or 528). Eight units of approved electives will be selected from among: PUAD 521, 531b, 550, 552, 553, 564, 583, 525 or 529, and 557. Pre-service students must also serve an internship and be enrolled in PUAD 544.

Students may receive this certificate with a specialization in intergovernmental management provided they complete the three course sequence (PUAD 552, 553 and 564). 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 (PUAD 500, 512, 595 and 597); 12 units are from management competencies (PUAD 514, 558 and 585). In addition, students must take 16 units of course work in policy analysis (PUAD 527 or 528, 572, 529 or 525 or 559, and 589). Eight units of approved electives are required. Pre-service students must also serve an internship and be enrolled in PUAD 544.

Students may receive this certificate with a specialization in intergovernmental management provided they complete the three course sequence (PUAD 552, 553 and 564). Students may satisfy this requirement if they apply two of these courses toward the eight-unit elective requirement and apply the third course to the four-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, Executive Administration of Mental Health 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: PUAD 530, 558 or 585, 531a or 551; one elective. One specialized seminar as follows (four units): PUAD 569, 508, 509 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 (PUAD 500, 512, 595 and 597); 12 units are management competencies (PUAD 514, 506 or 525 or 558, and 585). In addition, students must take 16 units of human resources development courses (PUAD 416, 516, 517 and 586) and eight 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 (PUAD 517, 522 and 586). These students will be able to complete the human resources management and elective requirements by taking PUAD 416, 516 and one four-unit elective. Pre-service students must also serve an internship and be enrolled in PUAD 544.

### **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. This certificate is available at the Washington Center.

The program consists of four courses: PUAD 500, 585, 526 or 591; and one elective selected from any 500-level offering in the PUAD curriculum.

### **Certificate in Regulatory Policy and Management**

This program is designed to provide the depth and breadth of knowledge and skills needed by regulatory agency managers, analysts, scientists, and policy support personnel to augment their previous specialized training in a particular discipline such as engineering, law, medicine or science. The courses and the course content are designed to meet specific needs identified through initial and ongoing discussions with agency staff members, agency executives and other key stakeholders.

The program consists of four courses: PUAD 567 Decision Making in Regulatory Agencies and PUAD 527 Public Policy Formulation; and two of the following: PUAD 528 Public Policy Implementation, PUAD 529 Public Policy Evaluation, PUAD 557 Business and Public Policy, PUAD 566 Management of Intergovernmental Programs, PUAD 568 Presidency, Congress, and the Bureaucracy, and PUAD 591 Research and Evaluation in

Public Administration. For this certificate, PUAD 567 Decision Making in Regulatory Agencies is available only at the Washington Center.

#### **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 532ab	Elements of the Urban Landscape	2-2
ARCH 533ab	Urban Landscape Case Studies	2-2
ARCH 605abL	Graduate Architecture Design	8-8
ARCH 693abL	M.Arch. Thesis, Option I, or	
ARCH 695abzL	M.Arch. Thesis, Option II	4-8
POLICY, PLANNING, AND DEVELOPMENT		UNITS
PLUS 501	Planning Theory	2
PLUS 502	Statistics and Arguing from Data	4
PLUS 505	Comparative International Development	2
PLUS 506	The Social Context of Planning	2
PLUS 507	The Urban Economy	2
PLUS 509	Legal Environment of Planning	2
PLUS 510	Historical Analysis of Urban Form and Planning Practice, or	
RED 673	Design History and Criticism	2

*Specialization Methodology*: A four unit course selected from the list shown in the MPL program.

*Laboratory/Workshops*: PLUS 676L (4, 8) to total eight units.

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

#### **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.

POLICY, PLANNING, AND DEVELOPMENT		UNITS
PLUS 501	Planning Theory	2
PLUS 502	Statistics and Arguing from Data	4
PLUS 505	Comparative International Development	2
PLUS 506	The Social Context of Planning	2
PLUS 507	The Urban Economy	2
PLUS 509	Legal Environment of Planning	2
PLUS 510	Historical Analysis of Urban Form and Planning Practice	2

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

*Laboratory/Workshops:* PLUS 676L (4, 8) to total eight units.

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

#### 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 Graduate School and meet the admission requirements of both.

#### Requirements

Requirements for completion of the dual degree program are 56 units, including 20 units in economics and 36 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
Electives	Economics	8

  

POLICY, PLANNING, AND DEVELOPMENT		UNITS
PLUS 501	Planning Theory	2
PLUS 505	Comparative International Development	2
PLUS 506	The Social Context of Planning	2
PLUS 509	Legal Environment of Planning	2
PLUS 510	Historical Analysis of Urban Form and Planning Practice	2

*Laboratory/Workshops:* PLUS 676L (4 or 8) to total eight units.

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

*Thesis:* A thesis is required on a subject interrelating economics and urban planning and development. Students must register in a minimum of four units of PLUS 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 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 four 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
PLUS 501	Planning Theory	2
PLUS 502	Statistics and Arguing from Data	4
PLUS 505	Comparative International Development	2
PLUS 506	The Social Context of Planning	2
PLUS 507	The Urban Economy	2
PLUS 509	Legal Environment of Planning	2
PLUS 510	Historical Analysis of Urban Form and Planning Practice	2

*Laboratory/Workshops:* PLUS 676L (4, 8) to total eight units.

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

*Thesis:* A thesis is required on a subject interrelating gerontology and planning. Students must register in a minimum of four units of PLUS 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 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 14 units of specified courses in architecture, 24 units of courses in urban planning, 16 units of elective courses and 12 units of thesis option I or directed design research.

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

LANDSCAPE ARCHITECTURE		UNITS
ARCH 532ab	Elements of the Urban Landscape	2-2
ARCH 533ab	Urban Landscape Case Studies	2-2
ARCH 597abzL	Landscape Architecture Thesis Option I, or	
ARCH 598abzL	Landscape Architecture Directed Design Research	4-8-0
Electives		16

  

STUDIO		UNITS
ARCH 542aL	Landscape Architecture Design (jointly offered with Planning)	6

  

POLICY, PLANNING, AND DEVELOPMENT		UNITS
PLUS 501	Planning Theory	2
PLUS 502	Statistics and Arguing from Data	4
PLUS 505	Comparative International Development	2
PLUS 506	The Social Context of Planning	2
PLUS 507	The Urban Economy	2
PLUS 509	Legal Environment of Planning	2
PLUS 510	Historical Analysis of Urban Form and Planning Practice	2

		URBAN AND REGIONAL PLANNING		UNITS	POLICY, PLANNING, AND DEVELOPMENT (22 UNITS)		UNITS
PLUS 509	Legal Environment of Planning, or	PLUS 501	Planning Theory	2	PLUS 501	Planning Theory	2
PLUS 510	Historical Analysis of Urban Form and Planning Practice	PLUS 502	Statistics and Arguing from Data	4	PLUS 502	Statistics and Arguing from Data	4
RED 673	Design History and Criticism	PLUS 505	Comparative International Development	2	PLUS 505	Comparative International Development	2
		PLUS 506	The Social Context of Planning	2	PLUS 507	The Urban Economy	2
		PLUS 507	The Urban Economy	2	PLUS 509	Legal Environment of Planning	2
		PLUS 509	Legal Environment of Planning	2	PLUS 510	Historical Analysis of Urban Form and Planning Practice	2
		PLUS 510	Historical Analysis of Urban Form and Planning Practice	2	PLUS 573	Design Skills for Urban Planners	4
					PLUS 676L	Core Laboratory Workshop	4
<i>Electives:</i> eight units of elective courses taken within the School of Policy, Planning, and Development.		<i>Laboratory/Workshops:</i> PLUS 676L (4, 8) to total eight units.					
<b>Master of Planning/Master of Public Administration</b>		<i>Electives:</i> 12 units of elective courses taken within the School of Policy, Planning, and Development. Dual degree students who complete PPMT 404 with a grade of B or higher need not take PLUS 502. Instead, dual degree students who complete PPMT 404 should take an additional four units of Policy, Planning, and Development elective courses for a total of 16 elective units.					
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.		<b>Master of Planning/Master of Public Art Studies</b>					
<i>Requirements</i>		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.					
Requirements for completion of the dual degree program are 64 units, including 28 units in public administration and 36 units in planning, as follows:		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 two courses taken from other USC programs.					
<i>Prerequisites:</i> 12 undergraduate course credit units of social science, not more than eight units in any one field, are required. Students must also satisfy the M.P.A. statistics prerequisite and other prerequisites. PLUS 502 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 PLUS 502 with a grade of B or higher (A = 4.0) need not take PPMT 404 Statistics in Public Policy and Management.		<b>PUBLIC ADMINISTRATION</b>		<b>UNITS</b>	<b>PUBLIC ART STUDIES (22 UNITS)</b>		<b>UNITS</b>
PUAD 500	Public Administration and Society	PAS 561	Administration Survey	3	PAS 561	Administration Survey	3
PUAD 512	Public Sector Economics	PAS 562	Administration and Program Development	3	PAS 562	Administration and Program Development	3
PUAD 514	Public Financial Management and Budgeting	PAS 571	History Survey	3	PAS 571	History Survey	3
PUAD 585	Human Behavior in Public Organization	PAS 572	History	3	PAS 572	History	3
PUAD 597	Professional Practice of Public Administration	PAS 581	Forum	2	PAS 581	Forum	2
PUAD 506	Administrative Research and Analysis, or	PAS 585	Public Space, the Public Realm and Public Art	3	PAS 585	Public Space, the Public Realm and Public Art	3
PUAD 525	Policy and Program Evaluation, or	PAS 591	Field Internship Experience	1	PAS 591	Field Internship Experience	1
PUAD 558	Quantitative Analysis I	PAS 594ab	Master's Thesis	2-2	PAS 594ab	Master's Thesis	2-2
PUAD 595	Public Organization and Management Theory						

**Field of Study (20 units)**

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

**Capstone Projects**

All students must complete a master's thesis 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 urban planning and development 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 obtain a grounding in direct service in the first year so that planning course work is supplemented by a knowledge of consumers, service delivery, and so on. Courses for both schools are taken simultaneously so that social work and planning content are intermingled throughout. Two years of field practicums in social work provide in-depth exposure to social service issues from both planning and direct service angles, thus satisfying some of the planning laboratory/workshop requirements and making a separate planning internship requirement unnecessary.

**Requirements**

Requirements for completion of the M.S.W./M.Pl. degree are 79 units including 47 units in social work and 32 units in planning. Students must select the 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 533	Social Welfare I	3
SOWK 543	Social Work Practice I	3
SOWK 545	Social Work Practice II	3
SOWK 562	Social Work Research	3
SOWK 586ab	Field Practicum I	3-3
SOWK 609	Human Behavior in Groups and Organizations	3
SOWK 649ab	Seminar in Community Organization	3-3
SOWK 679	Social Planning and Administrative Processes	3
SOWK 686ab	Field Practicum II	4-4
SOWK 634	Social Policy: Family and Children	3
SOWK 635	Social Policy: Mental Health	3
SOWK 636	Social Policy: Health Care	3
SOWK 637	Social Policy: The World of Work	3
POLICY, PLANNING, AND DEVELOPMENT		UNITS
PLUS 501	Planning Theory	2
PLUS 502	Statistics and Arguing from Data	4
PLUS 505	Comparative International Development	2
PLUS 506	The Social Context of Planning	2
PLUS 507	The Urban Economy	2
PLUS 509	Legal Environment of Planning	2
PLUS 510	Historical Analysis of Urban Form and Planning Practice	2
PLUS 552	Urban Planning and Social Policy	4

*Laboratory/Workshops:* PLUS 676L (4)

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

**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 Law School 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 108 units, including 76 units in law and 32 units in planning and development.

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 510	Legal Research	0
LAW 511ab	Introduction to Lawyering Skills	1, 1
LAW 512	Law, Language, and Ethics	3
LAW electives including fulfillment of the upper division writing requirement (2)		43

POLICY, PLANNING, AND DEVELOPMENT		UNITS
RED 500	Real Estate Development and the Economy	2
RED 509	Market Analysis for Real Estate Development	4
RED 542	Finance of Real Estate Development	4
RED 546	Development Processes	4
RED 547	Project Management and Construction	2
RED 551	The Approval Process	4
RED 673	Design History and Criticism	2
RED 674	Building Typologies	2
RED 675L	Community Design and Site Planning	4
Elective from the School of Policy, Planning, and Development		4

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; a calculator and/or spreadsheet one unit class is offered on-line via the Internet. Students must pass this course or a diagnostic examination prior to the start of classes in July.

**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 80 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); graduate business electives sufficient to bring the total units completed in the Marshall School of Business to at least 48; and 10 Policy, Planning, and Development courses (32 units).

Students must have an approved laptop computer as required by instructors and must demonstrate calculator and spreadsheet skills; a calculator and/or spreadsheet one unit class is offered on-line via the Internet. Students must pass this course or a diagnostic examination prior to the start of classes in July.

POLICY, PLANNING, AND DEVELOPMENT		UNITS
RED 500	Real Estate Development and the Economy	2
RED 509	Market Analysis for Real Estate Development	4
RED 542	Finance of Real Estate Development	4
RED 546	Development Processes	4
RED 547	Project Management and Construction	2
RED 551	The Approval Process	4
RED 662	Legal Issues in Real Estate Development	4
RED 673	Design History and Criticism	2
RED 674	Building Typologies	2
RED 675L	Community Design and Site Planning	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	4
GERO 550	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
PUAD 500	Public Administration and Society	4
PUAD 512	Public Sector Economics	4
PUAD 514	Public Financial Management and Budgeting	4
PUAD 506	Administrative Research and Analysis, or Policy and Program Evaluation, or Quantitative Analysis I	4
PUAD 525	Human Behavior in Public Organizations	4
PUAD 558	Public Organization and Management Theory	4
PUAD 585	Professional Practice of Public Administration	4
PUAD 595		28

#### Program Adaptation

See the Davis School of Gerontology, page 548.

#### 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 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 Davis School of Gerontology section of this catalogue for requirements for admission and curriculum for the dual degree program.

#### Master of Public Administration and Juris Doctor

The dual degree program with the Law School 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 three 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 PPMT 404 Statistics in Public Policy and Management before beginning work on the M.P.A.

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 (PUAD 500, 512, 595 and 597) and management competencies (PUAD 506 or 525 or 558, 514 and 585) and a PUAD elective.

#### Master of Public Policy and Juris Doctor

The School of Policy, Planning, and Development and the Law School 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 MPP 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. The MPP program has a statistics prerequisite that can be satisfied either by passing a proficiency examination or by successfully completing PPMT 404 Statistics in Public Policy and Management.

The required MPP courses are PUAD 512, 527, 529, 558, 559, 570, 572, 599 and a management competency course approved by the MPP 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 who are interested in careers as administrators of social agencies the opportunity to combine solid preparation in the substantive field of social work with the acquisition of the administrative capabilities necessary in the public sector.

It is anticipated that the M.P.A./M.S.W. will require two calendar years of full-time study. The first academic year will be devoted to the standard social work first year curriculum. Students can enter this program only with the written consent of both schools. Students who apply initially to the 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.

During the second year, the curriculum will combine both social work and public administration course work. The curriculum for both summers will be in public administration.

SOCIAL WORK (50 UNITS)		UNITS
SOWK 503	Human Behavior and the Social Environment I	3
SOWK 505	Human Behavior and the Social Environment II	3
SOWK 533	Social Welfare I	3
SOWK 535	Social Welfare II	3
SOWK 543	Social Work Practice I	3
SOWK 545	Social Work Practice II	3
SOWK 562	Social Work Research	3
SOWK 586ab	Field Practicum I	6
SOWK 609	Human Behavior in Groups and Organizations	3

SOWK 629	Evaluation of Research: Community Organization, Planning and Administration	3
SOWK 649ab	Seminar in Community Organization	6
SOWK 679	Social Planning and Administrative Processes	3
SOWK 686ab	Field Practicum II	8

PUBLIC ADMINISTRATION (28 UNITS)		UNITS
PUAD 500	Public Administration and Society	4
PUAD 512	Public Sector Economics	4
PUAD 514	Public Financial Management and Budgeting	4
PUAD 595	Public Organization and Management Theory	4
PUAD 597	Professional Practice of Public Administration	4
PUAD 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 at any of the three centers. At each site, a student will complete the PUAD core and elective courses, will take independent study with an HUC professor, and will serve in an internship while enrolled in HUC field-work classes.

PUBLIC ADMINISTRATION REQUIREMENTS		UNITS
PUAD 500	Public Administration and Society	4
PUAD 512	Public Sector Economics	4
PUAD 595	Public Organization and Management Theory	4
PUAD 597	Professional Practice of Public Administration	4
PUAD 525	Policy and Program Evaluation, or	
PUAD 558	Quantitative Analysis I, or	
PUAD 506	Administrative Research and Analysis	4
PUAD 514	Public Financial Management and Budgeting	4
PUAD 585	Human Behavior in Public Organizations	4
PUAD Electives (2)*		8

\*AN ELECTIVE IS DEFINED AS ONE OF THE FOLLOWING COURSES:

PUAD 551	Financial Accounting in the Public and Non-Profit Sectors
PUAD 561	Entrepreneurship and the Public Sector
PUAD 571	The Voluntary Nonprofit Sector and Public Policy
PUAD 578	Nonprofit Management and Leadership

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 59 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 Credential

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 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 PUAD 500, 512, 514, 585, 595 and 597. One course in this sequence must be selected from among PUAD 506, 525 and 558. PUAD 514 requires PUAD 512 and statistics as prerequisites. PUAD 597 should be taken last if elected.

## Doctoral Degrees

The School of Policy, Planning, and Development offers the Doctor of Philosophy in Planning (Ph.D.), Doctor of Philosophy in Public Administration, the Doctor of Planning and Development Studies (D.P.D.S.) and the Doctor of Public Administration (D.P.A.). The D.P.A. is intended to develop a high level of conceptual and research competence in public administrators and practitioners in planning and development. The Ph.D. is designed to prepare individuals for university level teaching and research. The D.P.A. and D.P.D.S. are 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. The D.P.A. is offered at all three centers (Los Angeles, Sacramento, Washington, D.C.); the D.P.D.S. is offered in Los Angeles and Washington, D.C.; the Ph.D. is offered only at the University Park Campus, Los Angeles.

Students should also consult the Academic Policies and Information section of this catalogue.

Completion of the requirements for either degree 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. For the D.P.A. student, a minimum of 20 graduate units must be completed at the University Park Campus or the Sacramento

or Washington, D.C., Centers within two calendar years. 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 eight 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 readmission, see page 60 of this catalogue.

### Application and Admission

Admission to graduate standing for the Ph.D., D.P.A. 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 Admission section, page 555, and the Graduate Admission section, page 56. In addition to those guidelines, D.P.A. and D.P.D.S. students are expected to have a minimum of five years of substantial administrative experience. Students intending to enroll in Los Angeles should direct questions about the program and all materials for the admission application to Doctoral Programs, Office of Student Affairs, VKC 232, School of Policy, Planning, and Development, University of Southern California, University Park, Los Angeles, CA 90089-0041. D.P.A. students intending to enroll in Sacramento or Washington, D.C., should contact the appropriate center for information on the specific application procedures and deadlines.

The deadline for applications for admission to the Ph.D., D.P.A. and D.P.D.S. programs in Los Angeles is February 1. Applications to the D.P.A. program in Sacramento may be submitted throughout the year and the process of reviewing these applications is continuous. Application decisions for admission to the D.P.A. and D.P.D.S. programs in Washington, D.C., are made once each year for a fall semester admission. Applications for admission to the Ph.D., D.P.A., and D.P.D.S. programs in Los Angeles are also 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 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.A. and D.P.D.S. applicants must also provide evidence of at least five years of practical administrative experience.

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 or more letters of recommendation, two from previous instructors, others from instructors or from professional supervisors or colleagues (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; and (7) 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., D.P.A., 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 52, for more information.

The procedures and conditions of transfer are the same as those for the master's degree programs given on page 52 with the following exception: transfer credits cannot be older than 10 years at the time of petition for transfer and must reflect current knowledge in the field. However, students entering with an appropriate completed graduate degree from an accredited institution may be eligible for admission to the D.P.A. program with Advanced Standing. Consult the Doctoral Coordinator and the Graduate Admission

section of this catalogue, page 26, for further information.

#### **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 26.

#### **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 555.

#### **Admission of International Students**

All international applicants for admission to doctoral programs should submit materials to Doctoral Programs, Recruitment and Admissions Office, VKC 232, 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 26.

#### **Screening Procedure**

Ph.D. students are required to pass a screening procedure after completing the four core courses. D.P.A. and 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 Planning, Ph.D. in Public Administration, D.P.A. and D.P.D.S. students. Students should consult their degree program chair 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 doctoral coordinator. 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 Planning

The Doctor of Philosophy in Planning 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 555). All courses applied toward the degree must be courses accepted by the Graduate School.

The Doctor of Philosophy (Ph.D.) in Planning emphasizes a rigorous program of advanced study and research, stressing qualitative or quantitative analysis and the theoretical dimensions of planned intervention and social change. Specialization and expertise in a substantive field such as transportation, history, housing, community development, environmental analysis, urban design, real estate development, social policy planning theory or international development is required.

### Curriculum Requirements

The Doctor of Philosophy in Planning 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 or urban policy. The program requires the completion of 60 units of course work, comprising the following elements: Master of Planning core (12 units), doctoral core (12 units), methodology (4 units), fields of study (28 units) and dissertation (4 units minimum).

### Core Curriculum

#### DOCTORAL CORE PROVIDES FOUNDATION IN PLANNING THEORY AND RESEARCH DESIGN:

PLUS 601	Advanced Planning Theory I	4
PLUS 602ab	Research Design	2-2
PLUS 605	Advanced Planning Theory II	4

### Methodology

#### SELECT ONE METHODOLOGY COURSE:

PLUS 606	Advanced Research Methods in Planning: Multivariate Statistical Methods, or	
PLUS 607	Advanced Research Methods in Planning: Optimization and Matrix Methods, or	
PLUS 608	Advanced Research Methods in Planning: Survey Research Methods, or	
PLUS 609	Advanced Research Methods in Planning: Qualitative Methods, or another approved methods course from another academic unit at USC	4

While a Master of Planning degree is not a prerequisite for admission, those students entering the doctoral program without a master's degree in planning will be required to complete 12 units of the 16-unit M.Pl. core curriculum: PLUS 501 (2), PLUS 502 (4), PLUS 505 (2), PLUS 506 (2), PLUS 507 (2) and PLUS 509 (2) or PLUS 510 (2). Students entering with an M.Pl. or equivalent degree will receive 20 units of advanced standing.

### Fields of Study

Students will take course work in two disciplines or substantive areas according to particular interests and needs. 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-eight units of course work are required for the fields of study. Students entering with a master's degree, whether in planning or another discipline, will receive eight units of advanced standing applied toward the field of study portion of the doctoral curriculum. Students are expected to actively participate in one of the five research workshops directed by faculty and to seek teaching experience.

### Screening Procedures

Prior to screening, the student should have completed 12 units of the Doctor of Philosophy core. The student is also expected to have completed the research methods course.

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 specialization 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.

### 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.

### Course Exemption and Transfer of Units

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

Students entering the doctoral program with a master's degree in a field other than planning or who have completed graduate course work may receive up to 12 units of advanced standing toward the Ph.D. in planning. Students entering with a Master of Planning degree or its equivalent may receive up to 20 units of advanced standing. In all cases, 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 planning or closely related activities. Although this experience should be of benefit to the students involved, it cannot be considered equivalent to academic education.

*Doctoral Dissertation*

The dissertation is based on original research on a planning or urban/regional policy issue requiring an interdisciplinary perspective. The research is supervised by a dissertation committee of three or more regular USC

faculty, atleast 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 (DPDS).

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, submission of GRE and, for international students, 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 26. 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 DPDS requires completion of 60 units of course work comprising the following elements:

REQUIREMENTS	UNITS
Foundation courses	20
DPDS 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 and have previously fulfilled the foundation course requirements may be awarded up to 20 units of advanced standing to fulfill the foundation course requirements. Such decisions will be made as part of the admissions process by the school's faculty.

**REQUIRED COURSES** **UNITS**

PLUS 603	Planning and Development Paradigms	4
PLUS 623	Politics of Planning and the Urban Environment	4
PLUS 692	Conspectus Preparation	4
<i>Methods</i>		
A student's methods course should be approved by the student's Professional Advisory Committee. Possible courses include:		
PLUS 573	Design Skills for Planners	4
PLUS 574	Planning Analysis and Evaluation	4
PLUS 608	Advanced Research Methods in Planning: Survey Research Methods	4
PLUS 609	Advanced Research Methods in Planning: Qualitative Methods	4
PLUS 612	Analysis of Quantitative Data for Planning and Development	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 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 program statement 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 advisors 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, eight 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 DPDS 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.

## Doctor of Philosophy in Public Administration

**Residence**

In order to receive the Ph.D. the student must complete a minimum of 60 units of graduate work at USC and other institutions. Ph.D. students may be authorized to transfer into the Ph.D. program a maximum of 30 graduate units completed at other universities. A minimum of 24 graduate units completed in residence on the University Park Campus in Los Angeles is required. 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 full-time involvement in the doctoral learning experience.

**Guidance and Dissertation Committee**

In concert with the Ph.D. student the school recommends to the Graduate School for approval a five-member guidance committee, one member of which must be from outside the school; when the guidance committee recommends the student for candidacy and a dissertation topic is approved, the guidance committee is replaced by a three-member dissertation committee, one member of which must be from outside the school.

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 of the five) should be experts in the area in which the student is qualifying and should be regular participants in that qualifying examination committee. The remaining members will 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.

**Course Requirements**

Doctoral students are required to complete a minimum of 60 acceptable graduate units before receiving the Ph.D. These 60 units may include a maximum of eight dissertation units, PUAD 794 Doctoral Dissertation. The 60 units must include at least 32 units of course work at the 600 level or above, allowing a maximum of eight units of PUAD 790 Research but excluding 794. Ph.D. students are required to complete 32 units of 600 level or above course work (PUAD 700ab, 791ab, 675, 685, 691 and 695 plus three courses [12 units] for an area of concentration) prior to the qualifying examination. In addition, students are required to complete four units of course work in the statistics course PUAD 692 Multivariate Statistical Analysis.

Students will be expected to meet the requirements for their qualifying area during their second year in the program (including the summer subsequent to their second year). An area will be constituted by three or more doctoral level courses (seminars, either within the School of Policy, Planning, and Development or elsewhere at USC, and PUAD 790). A research apprenticeship in the area of specialization will also be required in addition to course work. The faculty has specified a fixed set of areas in which students can qualify.

**Time Limit**

See the Requirements for Graduation section of this catalogue, page 58, for the time limit for completing all requirements for the Ph.D.

**Preliminary Requirements***Statistics and Research Methodology*

Ph.D. students must demonstrate competence in statistics and research methodology by successfully passing PPMT 404 Statistics in Public Policy and Management or its equivalent, PUAD 691 Seminar in Research Methods and PUAD 692 Multivariate Statistical Analysis. A student's guidance committee may also require additional course work in this area. This requirement must be satisfied prior to the qualifying examination.

*Foreign Language*

The purpose of the foreign language requirement is to provide students with language tools needed for scholarly research. Each Ph.D. student is required to demonstrate a reading knowledge of one language other than English. Any foreign language for which the USC Testing Bureau provides a standardized examination, as well as a number of other languages, is acceptable. A minimum score of 500 is required.

In cases of nonstandardized language examinations, the student's guidance committee will give specific approval for the language and for the method of testing. The testing method approved by the guidance committee must approximate the level of attainment required for successful completion of GSFLT examinations.

**Other Preliminary Requirements***One-Year Research Apprenticeship*

Students will be required to complete a research apprenticeship during their second year. The apprenticeship will be with a member of the school's faculty. It should be initiated during the spring semester prior to enactment to adequately plan the experience.

The apprenticeship requirement will be a minimum of one academic year of work involving a minimum of three hours per week. Since students will enter the program with varying experience and skills in research, the apprenticeship will be broadly construed to include library research, data entry, assistance with grant proposal preparation and work on publications in progress. Students will be required to keep a log of their work with full entries concerning the type and amount of work accomplished each week.

Evidence of successful completion of the research requirement will consist of a descriptive and evaluative statement of the student's research responsibilities and activi-

ties, signed by both student and advisor, and the work log.

*One-Year Teaching Apprenticeship*

Students will be required to complete a teaching apprenticeship during their third year. The apprenticeship will be with a member of the School of Policy, Planning, and Development full-time tenure track faculty. It should be initiated during the spring semester prior to enactment so that the student may participate in course planning. The requirement will be a minimum of one academic year of work involving a minimum of three hours per week. Students will be expected to sit in on some, but not all, sessions of a specific class taught by the faculty member with whom they are working. They should also meet regularly with this faculty member to discuss how he or she developed the design for the course, the preparation of lectures and teaching plans, the grading process and other elements of the teaching process. The faculty member may assign the student responsibility for one or two class sessions, or portions of sessions, with an evaluative discussion to follow. The student may also be assigned to assist with the preparation for specific classroom exercises. Students will be required to keep a log of their work with full entries concerning the type and amount of work accomplished each week.

Evidence of successful completion of the teaching requirement will consist of a descriptive and evaluative statement of the student's work and activities, signed by both student and advisor, and the work log.

**Qualifying Examination**

The objective of the qualifying examination is to evaluate the student's knowledge and to serve as an instrument to demonstrate competence in the core areas of public administration and the student's chosen field of concentration in preparation for candidacy. The qualifying examination consists of written and oral segments which the student takes when the guidance committee is satisfied with the student's preparation in the examination area. Qualifying examinations are scheduled once each year during September or October. The oral phase of the examination must be completed within 60 days following the written segment. Students will be required to pass a qualifying examination that consists of two distinct parts which they can separately pass or fail. They can pass both, fail both, or pass one and fail the other. Ultimately, both parts of the examination must be passed in order to qualify. Failure on one of the two parts of the examination does not require retaking both parts. Only the part failed (core or area examination) must be redone.

The first part is the core examination. This examination will be collaboratively designed by the instructors of the four core courses and oriented toward testing students' ability to integrate material from these courses. With PUAD 691 Seminar in Research Methods as part of the core, a portion of this examination will focus on methodological issues. The examination will be administered during two full-day sessions.

The second part is the area examination. Each of the four area examinations will be collaboratively designed by the relevant qualifying area committee to test the student's competence in his or her qualifying area (depth, breadth, integrative and analytical capabilities). The examination will be administered during one full-day session.

The qualifying examination will be held in September or October, with the expectation that students will take it at the beginning of their third year in the program. The two components of the examination must be taken concurrently. The student must be adequately prepared to take both components, rather than taking the core examination one year and the area examination the next year. Both examinations will be administered during a one-week period.

Since the results of the examination will not be known before the deadline to register for classes in August, students should register for PUAD 794a Doctoral Dissertation. Any student not passing the examination would then drop PUAD 794a and prepare to retake the examination.

The process of grading examinations will be accomplished in two ways. For the core section examination, the process will be centralized by having the grading done by a committee comprising the four core course instructors plus the doctoral advisor. For the area examinations, responsibility for the grading will stay with the guidance committee. Oral examinations will be required only for the area examination. The core section of the examination will be evaluated entirely on the written work. Upon passing both the core and area portions of the examination, the student will be expected to reduce the guidance committee to a dissertation committee. See General Requirements for the Doctor of Philosophy Degree.

### Dissertation

The candidate must research and write a dissertation. Working with a faculty director and with other members of the dissertation committee, the candidate must register for PUAD 794 Doctoral Dissertation for at least two semesters after admission to candidacy. University policy requires these registrations to be during either the fall or spring semesters. A candidate who is actually working on a dissertation with faculty assistance during a summer will be allowed to register one time only for two units of PUAD 794 that summer. See the Graduate School section of this catalogue, page 560.

#### *Defense of the Dissertation Design*

After the successful completion of the qualifying examination, the Ph.D. student will be required to present and formally defend a complete research design for the dissertation. The design will be circulated for review and evaluation by the dissertation committee. Following faculty evaluation, students will be

required to have a formal defense of a dissertation proposal with their dissertation committee. This proposal should include the methodology, research design, literature review and instrumentation (if applicable). The proposal defense will be conducted with the entire dissertation committee present and will thoroughly examine the feasibility, significance and originality of the proposed research. After this step has been completed, further work leading to the completion of the dissertation is authorized.

#### *Format for Dissertation*

See the Graduate School section of this catalogue, page 560.

#### *Oral Defense of the Dissertation*

After the dissertation committee has approved the dissertation in substance, the candidate must defend it before the committee and other interested doctoral program faculty and colleagues. Successful completion of the oral defense marks the ultimate step for the candidate within the School of Policy, Planning, and Development. The candidate must be

certain that the dissertation also meets specific university requirements before acceptance by the Graduate School. See the Graduate School section of this catalogue, page 560.

### Areas of Concentration

There will be four areas from which students may select a specialization in which to qualify: public policy, public management and organization, health policy and management, and comparative and international development.

The specification of required courses to fulfill each of these areas of specialization will be the responsibility of each qualifying area committee of the faculty. These may include seminars offered within the School of Policy, Planning, and Development if there is a sufficient number of students specializing in a given area to make such a course viable. Otherwise, courses may be identified in other departments of the university which would be appropriate, and PUAD 790 Research may be designed to serve this purpose.

## Doctor of Public Administration

### Residence and Unit Requirements

To receive the Doctor of Public Administration (D.P.A.) the student must complete a minimum of 60 units of graduate work at USC and other institutions. D.P.A. students may be authorized to transfer a maximum of 24 graduate units completed at other universities into the D.P.A. program. A minimum of 24 graduate units must be completed at the University Park Campus, the Sacramento or Washington, D.C., Centers within two calendar years. Full-time study is represented by enrollment in eight units during the semester. See Residence Requirements, page 59, for additional information.

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.

### Guidance and Dissertation Committees

For the D.P.A. student, a three-member guidance committee is chosen, one member of which may be from outside the school. After the committee recommends the student for candidacy following completion of course work and appropriate examinations, the guidance committee is replaced by a three-member dissertation committee.

### Statistics

D.P.A. students must demonstrate competence in statistics by successful completion of PPMT 404 Statistics in Public Policy and Management with a grade of B or better or successful completion of the school's Statistical Competence Examination with a score of 80% or better.

### Course Requirements

All doctoral students are required to complete a minimum of 60 acceptable graduate units before receiving the Ph.D. or D.P.A. These 60 units may include a maximum of eight dissertation units, PUAD 794 Doctoral Dissertation. Further, these 60 units may include up to 24 transfer units for the D.P.A. student. This transfer work may not be more than 10 years old at the time of petition for transfer. However, students entering with an appropriate completed graduate degree from an accredited institution may be eligible for admission to the D.P.A. program with Advanced Standing. A minimum of 36 units of course work beyond that graduate degree, exclusive of 794 Doctoral Dissertation, will be required for the degree. Consult the Doctoral Coordinator and the Graduate Admission section of this catalogue, page 26, for further information. The 60 units must include at least 28 units of course work at the 600 level or above, allowing a maximum of eight units of PUAD 790, but excluding PUAD 794.

D.P.A. students are required to complete 16 units of 600 level course work: PUAD 600 Seminar in Public Administration (eight units) and PUAD 685 Seminar on Organizational Behavior in Public Systems and PUAD 695 Seminar in Administrative Theory (each four units). D.P.A. students must complete eight units of these required courses prior to the preliminary screening process.

#### *Comprehensive Examination*

After core course work is completed, the student must pass a comprehensive written examination which integrates the content of PUAD 600, 685 and 695. An oral examination may be required if it is thought necessary.

#### *Research Methodology*

D.P.A. students must demonstrate their competence in research methodology by completion of PUAD 691 Seminar in Research Methods and a research design or report read by at least two members of the faculty.

#### *Policy Analysis and Quantitative Methods*

D.P.A. students must demonstrate competence in policy analysis and quantitative methods by completion of PUAD 527 Public Policy Formulation or PUAD 558 Quantitative Analysis I, or by successfully passing examinations that cover the content of these courses, or by one course and one examination.



### *Fields of Specialization and Qualifying Examinations*

In consultation with the faculty advisor and the guidance committee, the student will select two fields in which to qualify by passing written and oral examinations on the content of these fields. The faculty advisor and guidance committee will assist the student in selecting course work to prepare for qualifying examinations.

Qualifying examinations are scheduled during the fall and spring semesters in Sacramento and Washington, D.C. In Los Angeles, the qualifying examinations are administered once a year in September or October. The oral phase of the examination must be completed within 60 days following the written segment.

### **Time Limit**

The time limit for completing all requirements for the D.P.A. degree is eight years from the first course at USC applied toward the degree. An academic department may

grant an extension of one year at a time for a maximum of two years. See Time Limits for Degree Completion, page 58.

### **Format for Dissertation**

See the Graduate School section of this catalogue, page 560.

### **Dissertation**

The candidate must research and write a dissertation. Working with a faculty director and with the other members of the dissertation committee, the candidate must register for PUAD 794 Doctoral Dissertation for at least two semesters after admission to candidacy. University policy requires these registrations to be during either the fall or spring semesters. A candidate who is actually working on a dissertation with faculty assistance during a summer will be allowed to register one time only for two units of PUAD 794 that summer. See the Graduate School section of this catalogue, page 560.

### *Defense of the Dissertation Design*

After the successful completion of the qualifying examination, the D.P.A. student will be required to present and formally defend a complete research design for the dissertation in a meeting with all dissertation committee members participating. The design will be circulated for review and evaluation by the dissertation committee. After this step has been completed, further work leading to the completion of the dissertation is authorized.

### *Oral Defense of the Dissertation*

After the dissertation committee has approved the dissertation in substance the candidate must defend it before the committee and other interested doctoral program faculty and colleagues. Successful completion of the oral defense marks the ultimate step for the candidate within the School of Policy, Planning, and Development. The candidate must be certain that the dissertation project also meets specific university requirements before acceptance by the Thesis Editor. See the Graduate School section of this catalogue, page 560.

## Courses of Instruction

### **PUBLIC POLICY AND MANAGEMENT (PPMT)**

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

**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.

**215 Public Organizations and Management (4, FaSp)** Political, social and legal contexts of public organizations and management; public/private organizational differences; organizational instruments for policy implementation. (Duplicates credit in former PUAD 200.)

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

**223x Career Planning and Development (2, Irregular)** Exploration of theories, literature, and techniques of personal career planning and development. Graded CR/NC. Not available for degree credit.

**225 Public Policy Processes and Institutions (4, FaSp)** Gateway to the bachelor of science in Public Policy and Management and minor in Public Policy. Structures and processes in addressing societal problems; contexts and constraints of federal policy making; agenda-setting, formulating alternatives, adoption, implementation; explanations for policy making in the U.S.

**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 management of health care delivery in the United States; historical and philosophical roots; access and quality issues; responsiveness to public needs.

**240 Citizenship and Public Ethics (4, Fa)** 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.

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

**316 Administration of Personnel Resources (4, FaSp)** Human resource development and management; values and processes in civil service career systems; training practices; human relations in supervision; personnel theory.

**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.

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

**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.

**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 250.)

**351 Financial Accounting in Public and Non-Profit Organizations (4, Fa)** 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.

**357 Government and Business (4, Sp)** Inter-related roles of business and public institutions; effects of public policies and laws on business sector; incorporates public and business perspectives. *Prerequisite:* ECON 203.

**371 The Nonprofit Sector and the Public Interest (4, Fa)** Theories of the voluntary nonprofit sector; its role and impact in society; its relationship to government and business; public policies toward the sector. (Duplicates credit in former PPMT 271.)

**390 Special Problems (1-4)** Supervised, individual studies. No more than one registration permitted. Enrollment by petition only.

**397 Management for Non-Managers (4, Irregular)** Contemporary management theory; the nature of modern complex organizations; roles and responsibilities of managers; managerial and organizational effectiveness; organizational structure and dynamics.

**401 Public Policy and Management Issues and Practices (2 or 4, max 8, FaSp)** Special studies and projects in various subject matters related to public policy and managers. Not more than two registrations in course permitted for credit toward degree. Graded CR/NC.

**403 Management Analysis I (4, FaSp)** Introduction to organizational and systems analysis; historical perspective; systems theory; information systems, procedure analysis; management planning; introduction to models.

**404 Statistics in Public Policy and Management (4, FaSpSm)** Elementary statistical techniques, introduction to probability; measurement theory, correlational analysis, sampling; significance tests, statistical inference.

**405 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.

**406amb Los Angeles Mini Semester (4-4, FaSpSm)** A more limited version of the Los Angeles Semester.

**408abcd 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.

**410abcd Washington, D.C. Semester (4-4-4-4, FaSp)** Overview of political and administrative environment of the federal government; its basic processes and functions through field visitations, research projects, internships, group discussions, and colloquium. *Concurrent enrollment:* PPMT 410abcd.

**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.

**412ab 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.

**414 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. *Prerequisite:* PPMT 351.

**416 Introduction to Personnel Technology in Public Employment (4, Fa)** Work design; job analysis; job evaluation; compensation and benefits; tests and examination design; validity and reliability in selection. *Prerequisite:* PPMT 316 or departmental approval.

**417 Training and the Applied Behavioral Science (4, Sp)** The nature of public service training; training management; training plans; personal and organizational development; skilled training needs assessment; evaluation.

**421 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.

**427 Urban Government and Management (4, Irregular)** Preparation and discussion of cases dealing with selected policy areas including transportation, housing, poverty, and environmental quality.

**439 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.

**440 Management of Justice Systems (4, FaSp)** 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.

**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.

**442 Administration of Police Services (4, FaSp)** Police and society; the structure and organization of American policing, current managerial problems; police research and development; future planning; administration of police juvenile programs.

**452 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.

**453 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.

**454 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.

**462 Theory and Practice of Nutritional Counseling (2, Irregular)** Principles of nutrition and techniques of communication and counseling to provide information on diet and nutrition to various audiences and clients.

**463 Principles of Health Education (2, FaSp)** Health concerns; health promotion and prevention; role and delivery of emergency care; theory and practice of communicating health information. (Duplicates credit in former PUAD 461*a*.)

**464 Issues in Health Education (2, FaSp)** Patterns of exposure to specific health risks and interventions effective in risk reduction; motivation and communication in health risk reduction; analysis of field observations. (Duplicates credit in former PUAD 461*b*.)

**473 Public Policy Analysis (4, FaSpSm)** Rational policy analytic process with an emphasis on modeling and evaluation techniques; cost-benefit analysis; decision analysis; evaluation research; introduction to the computer. *Prerequisite:* PPMT 404 or PLDV 404; PPMT 225 and ECON 203.

**482 Comparative Public Administration (4, 2 years, 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.

**485 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.

**486 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.

**490x Directed Research (2-8, max 8, FaSpSm)** Individual research and readings. Not available for graduate credit. *Prerequisite:* departmental approval.

**491 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. *Prerequisite:* PPMT 404.

**495 Philosophy of Public Administration (4, Irregular)** Theoretical roots of public administration; values and methodologies in contemporary administrative theory and practice; public service ethics; current issues.

**498 Senior Honors Seminar (4, Fa)** Concepts, theories, and methods of analysis of a selected topic within the field of public administration. *Prerequisite:* 3.5 GPA in PUAD courses; 3.0 GPA overall; and departmental approval.

**499 Special Topics (2-4, max 8, Sp)** Studies in selected areas of public affairs and administration.

#### PLANNING AND DEVELOPMENT (PLDV)

**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, city systems, and development. Multiplicity of cross-connections shaped by race, ethnicity, religion, gender, and sexual orientation.

**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.

**203 Spatial Organization of Society (4, Irregular)** Introduction to spatial patterns of human activity; determinants of location behavior; spatial structure of agricultural, industrial, commercial, and residential land-use; problems of spatial organization.

**210x Animals and the Moral Landscape (4, Irregular)** Evaluation of the moral status of animals; human-animal interactions; animals in the economy; pets and human well-being; animals in research; animal liberation movements. Not available for major credit.

**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.

**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.

**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.

**275L Environment and Behavior (4, Irregular)** Introduction to social and behavioral functions and effects of the built environment including concepts such as territoriality, privacy, behavior settings, cognitive maps; emphasis on projects.

**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.

**300 The Design of the Good: Conception and Judgment (4, Sp)** How to design, make, and judge things we take as whole and good — cities, art, science, policies; projects in engineering, planning, business. How things fail. Craftsmanship.

**310x The Idea of God in Social Thought and in Social Policies (4, Irregular)** The theological foundations of topics and questions of modern social science and of planning and development. Not available for major credit.

**315m 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.

**355 Introduction to Urban, Regional, and International Planning (4, FaSp)** Understanding of the incremental process of building cities and regions; planners' historic and contemporary role; major topics such as land use, transportation, economic development; case studies from Europe, Americas, and Asia.

**361 Property Rights, Governance, and the Environment (4, FaSp)** 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.

**390 Special Problems (1-4)** Supervised, individual studies. No more than one registration permitted. Enrollment by petition only.

**401 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.

**402 Urban Economic Analysis (4, Fa)** Basic concepts; how planners intervene and affect the market; focus on land use zoning, congestion, housing, public goods, fiscal impacts, entitlements, and cost-benefit analysis.

**403 Advanced Finance and Investment for Planning and Development (4, Sp)** Advanced real estate principles. Mortgage financing of residential and income-producing property types. *Prerequisite:* PLDV 402.

**404 Quantitative Methods for Planning and Development (4, Fa)** Fundamentals of probability and statistics and survey of other analytic techniques, framing statistical questions and identifying, collecting, evaluating, and managing data.

**405 Introduction to Comparative International Development (4, FaSp)** Urbanization, transition from agricultural to globalized diversified economies, service delivery, finance, policy, and roles of government.

**407 Principles of Urban Design (4, Fa)** Reading of the urban landscape, understanding historic antecedents of contemporary urban form, normative visions of city form, appreciation of urban design process; fieldwork.

**408 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.

**410 Graphic Techniques in Urban Planning (4, FaSp)** Graphic media and methods for recording and representing physical environments and related human uses and experiences. Techniques for displaying abstract concepts, relationships, and data systems.

**414 Urban Design Practicum (4, Fa)** 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. *Prerequisite:* PLDV 407, PLDV 410.

**426 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.

**427 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.) *Prerequisite:* PLDV 265L, GEOG 281L, or departmental approval.

**440 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.

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

**452 Planning, Policy-Making, and Social Change (4, Sp)** 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.

**455 Analysis for Planning and Development (4, Sp)** Presentation of concepts central to planning; macroanalytics — national, regional, and urban systems; microanalytics — behavior of individuals, households, and organizations; systems analysis; investment analysis.

**460 Political Economy and Planning (4, Fa)** 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.

**461 Environmental Issues (4, Irregular)** Metro-regional ecologies; environmental quality through land use planning, water/air quality planning, residuals management and environmental design; legal mandates, plan evaluation, and program implementation.

**474 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.

**475L 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.

**480 Introduction to Urban Transportation (4, Sp)** Current transportation planning and critiques. Transportation planning; the relationship to urban structure; conventional and para-transit modes; analysis of local plans.

**485 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.

**486 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.

**490x Directed Research (2-8, max 8, FaSpSm)** Individual research and readings. Not available for graduate credit. *Prerequisite:* departmental approval.

**491 Senior Seminar (4, FaSp)** Advanced study and discussions in planning and development.

**499 Special Topics (2-4, max 8, Irregular)** Review of major city and regional problems. Nature and contribution of different forms of planning to their solution.

## 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)

**100 Military Leadership (2, FaSp)** This course will teach military leadership using Army leadership doctrine. Military leadership techniques and evaluation standards are explored and practiced in this class.

**110 Theory of Warfare (2, Sp)** Theory, nature, classifications, origins, states, elements, and functions of warfare through the study of human, political, economic, and other causative factors.

**200 Leadership in Military History I (2, Fa)** The study of leadership and great leaders in the history of the military from primitive warfare through World War I.

**210 Leadership in Military History II (2, Sp)** The study of leadership and great leaders in the history of the military from the World War I era through the Gulf War.

**300 Psychology of Leadership (2, Sp)** Current basic concepts in behavioral sciences; theoretical framework for understanding problems of management, organizational context of leadership and problems of directing and controlling resources.

**310 Theory and Techniques of Military Instruction (2, Fa)** Learning theories, instructional planning and techniques, testing, and data analysis applicable to the military; emphasis on the educational/instructional processes.

**400 Decision-Making (2, Fa)** Theory of decision-making, functions of the decision-making process, optimizing decisions, information systems, operations research, systems management.

**410 Military Legal System (2, Sp)** Theory and application of military law and legal systems; study of the law of warfare; U.S. Army as a professional organization, its relationship to society.

#### 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.

#### NAUTICAL SCIENCE (NAUT)

**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*.

**302abx Advanced Deepwater Cruising (2-2, FaSp)** 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. *Prerequisite:* NAUT 301*ab* and NAUT 302*a* before NAUT 302*b*.

**HEALTH CARE MANAGEMENT (HMG T)**

**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 MHM 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 MHM 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 MHM 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 MHM 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 MHM 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 MHM 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 MHM 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 MHM 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 MHM 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 MHM students only.

**URBAN AND REGIONAL PLANNING (PLUS)**

**501 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.

**502 Statistics and Arguing from Data (4, Fa)** Fundamentals of probability and statistics, planning analysis techniques, computing standards, and understanding of the rhetoric related to statistical analysis.

**503 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.

**504 Research and Analytical Techniques (4, Sp)** Professional practice-oriented analytic skill; fundamentals of data manipulation; spreadsheet applications and forecasting; and communication of results.

**505 Comparative International Development (2, Fa)** Introduction to comparative international development with a focus on regional growth and urban development.

**506 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.

**507 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.

**508 Planning and Political Economy (4, Sp)** Planning in relation to structure and role of the state; paradigms of political economy; place of planning in existing and alternative politico-economic systems.

**509 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.

**510 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.

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

**526 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. *Prerequisite:* PLDV 427L or departmental approval.

**534 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.

**539 Housing and Urban Demography (4, Irregular)** Theories linking the characteristics of housing and population in cities and neighborhoods. Methods of census data analysis, estimation, and forecasting.

**540 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.

**541 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.

**543 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.

**545 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.

**546 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.

**547 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.

**550 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.

**552 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.

**560 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.

**561 Environmental Impacts (4, Sp)** Legal, political/institutional, and technical aspects of environmental impact reports for urban planning.

**562 Land Use Policy: Analysis, Design, and Evaluation (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.

**563 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.

**566 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.

**573 Design Skills for Urban Planners (4, Fa)** Develop observation, description, analysis, and conceptualization skills related to urban spatial conditions; advance professional communication proficiencies. *Prerequisite:* PLUS 510.

**574 Planning Analysis and Evaluation (4, Sp)** Methods of policy, program, and plan evaluation: economic principles and theoretical concepts introduced, followed by case studies. *Prerequisite:* PLUS 507.

**580 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.

**581 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.

**582 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.

**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.

**591 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. *Prerequisite:* PLUS 503, PLUS 504.

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

**599 Special Topics (2-4, max 8, Irregular)** No more than three registrations permitted.

**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.

**602ab Research Design (2-2, Fa)** Formulation of research questions and design; specification of models, hypotheses, variables, measures; alternative research methods; independent student-faculty research.

**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.

**605 Advanced Planning Theory II (4, Sp)** 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.

**606 Advanced Research Methods in Planning: Multivariate Statistical Methods (4, Fa)** Regression analysis, cluster analysis, factor analysis, and maximum likelihood techniques: focus on linkages between theory and application. *Recommended preparation:* PLUS 502 or PLUS 504.

**607 Advanced Research Methods in Planning: Optimization and Matrix Methods (4, Sp)** Comprehensive overview of principles and practice of operations research: background, deterministic models, and stochastic models. (Duplicates credit in ISE 530.) *Recommended preparation:* PLUS 502 or PLUS 504.

**608 Advanced Research Methods in Planning: Survey Research Methods (4, Sp)** Collection and use of survey data: basic orientation, mechanics of using SAS, and interpretation of survey tabulations. *Recommended preparation:* PLUS 502 or PLUS 504.

**609 Advanced Research Methods in Planning: Qualitative Methods (4, Sp)** Reflective and critical approach that questions data collection techniques, positions relative to those being studied, and explanatory methods. *Recommended preparation:* PLUS 502 or PLUS 504.

**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:* PLUS 502.

**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.

**676L Core Laboratory Workshop (4 or 8 or 12, max 12, FaSpSm)** Application of methods in planning, programming, research, and evaluation in a professional context; data collection and analysis; case studies; practical applications.

**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.

**790 Research (1-12, FaSpSm)** Research leading to the doctorate. Maximum units which may be applied to the degree to be determined by the Center. Graded CR/NC.

**794abcdz Doctoral Dissertation (2-2-2-2-0, FaSp)** Credit on acceptance of dissertation. Graded IP/CR/NC.

#### **PUBLIC ADMINISTRATION (PUAD)**

*Frequency of course offerings varies from campus to campus. Check with individual campuses regarding availability.*

**500 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.

**501 Public Administration Problems (2-4, max 8, Irregular)** Investigations, reporting, and reviews of literature in variable subject matter relating to the administration of public functions.

**502 Professional Development (1-4, max 8, Irregular)** Selected topics in the practical application of administrative concepts. Graded CR/NC.

**503 Field Work (1-4, max 8, Sp)** Supervised study of management activities in governmental agencies. Graded CR/NC.

**504 Judicial Administration Practice (4, Irregular)** Judicial operations; historical foundations; structure and powers of courts and management's role; efficacy of policy options; technological improvements; management skills required.

**505 Administrative Data Processing (4, Irregular)** Computers, electronic data processing, information handling; information systems, hardware and methods, applications in public service, decision analysis and modeling; information theory.

**506 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. *Prerequisite:* PPMT 404.

**507 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.

**508 Management of Managed Care Organizations (4, FaSp)** Managed care arrangements, interorganizational relations, management practices and controls, medical staff relations, contracting, strategic planning, marketing, information systems, utilization review, quality assurance, outcomes measures. *Prerequisite:* PUAD 551 and PUAD 585.

**509 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. *Prerequisite:* PUAD 551 and PUAD 585.

**510 Civil Procedure and Issues in Judicial Administration (4, Fa)** Pleadings, venues, calendaring trial motions, jury systems, and judgments; the phases of civil litigation and implications for court administrators.

**511 Criminal and Juvenile Justice Procedure (4, Irregular)** An overview of the criminal and juvenile justice system, including aspects of the role of court organization, police and arrest laws, arraignments, court reform, sentencing, and corrections.

**512 Public Sector Economics (4, FaSpSm)** Microeconomic theory applied to issues in public and non-profit sectors, including organizational models, market failures and policy instruments, and macroeconomic issues.

**513 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. *Prerequisite:* PUAD 512.

**514 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. *Prerequisite:* PUAD 512 and PPMT 404.

**515 Concepts and Practices of Public Budgeting (4, Irregular)** Budget planning, budget formulation, tools for budget analysis and budget implementation.

**516 Concepts and Practices in Public Personnel Administration (4, FaSp)** Concepts of man and of work; workforce; government personnel systems, including merit concepts, classification, and compensation; collective bargaining; organizational justice; training and development.



- 517 Organization Development in Public Administration (4, FaSp)** Overview of concepts and methodologies of organization development; diagnosing organizational needs; developing change strategies; selecting appropriate interventions.
- 519 Alternative Dispute Resolution (4, Fa)** Theory and methods of conflict analysis, negotiation, facilitation and mediation in the public sector.
- 520 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.
- 521 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.
- 522 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.
- 523 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.
- 524 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.
- 525 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 PUAD 529.) *Prerequisite:* PPMT 404.
- 527 Public Policy Formulation (4, FaSp)** Nature of public policy; public policy formulation processes; roles of institutions, groups, values; information and rationality in policy-making; models and other aids to policy choice.
- 528 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 PUAD 527 and PUAD 570.)
- 529 Public Policy Evaluation (4, Fa)** Methods and models for policy evaluation; processes for linking evaluation to public policy formulation and implementation; political aspects of evaluation.
- 530 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.
- 531ab 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. *Prerequisite:* PUAD 404 and PUAD 551 or departmental approval. *b:* Changing practices, emerging issues, strategies and innovations in financial planning, management, and regulation; federal and state policies and requirements. *Prerequisite:* PUAD 531a.
- 532 Health Information Systems (4, SpSm)** Conceptual framework for data base development; relational data management; use of health statistics; health indicators. Planning and administration of health information systems; confidentiality, security, privacy. *Prerequisite:* PUAD 404 and PUAD 551 or departmental approval.
- 533 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. *Prerequisite:* PUAD 530, PUAD 531a, PUAD 585; minimum of 20 graduate level units.
- 534 Seminar in Comparative Health Systems (4, Irregular)** Historical and philosophical developments; patterns of medical care practice; impacts of social, historical, cultural, and economic environments; influence of health systems on science and technology.
- 535 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.
- 536 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. *Prerequisite:* PUAD 530 or departmental approval.
- 537 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. *Prerequisite:* PUAD 512.
- 538 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. *Prerequisite:* PPMT 404.
- 539 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. *Prerequisite:* PUAD 551 and PUAD 585.
- 540 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.
- 541 Justice Administration and the Organizational Society (4, Irregular)** Theories of man, state, society: social conformity, non-conformity, controls: change, conflict; individual and subculture impacts; maintenance of organizational society; societal adaptation and the justice system.
- 543 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.

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

**545 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.

**546 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.

**547 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.

**549 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.

**550 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.

**551 Financial Accounting in the Public and Non-Profit Sectors (4, FaSp)** Accounting as a management tool; accounting systems; basic concepts; budgets; statements. Designed for nonaccounting administrative personnel.

**552 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.

**553 Intergovernmental Management: State Perspective (4, FaSp)** Role of state government in intergovernmental relations, emphasis on California experience; financial aspects of intergovernmental system.

**554 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.

**555 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.

**556 Public Enterprise Management: Comparative Perspective (4, Sp)** Objectives and organizational forms; relevant management theories; sector and country comparisons; special problems; political accountability, pricing, investment, regulation, privatization.

**557 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. *Prerequisite:* PUAD 512.

**558 Quantitative Analysis I (4, FaSpSm)** Various quantitative methods, including multivariate analysis, linear programming, and decision theory. Research design and causal modeling in management and policy analysis; use of computer packages. *Prerequisite:* PPMT 404.

**559 Quantitative Analysis II (4, Sp)** Empirical literature in management and policy analysis; application of analytic tools and quantitative methods to management and policy problems; case studies. *Prerequisite:* PUAD 558.

**560 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.

**561 Entrepreneurship in the Public Sector (4, Irregular)** Providing public services through the private and non-profit sectors; public-private partnerships; political and organizational skills required for public entrepreneurship.

**562 Administration of Human Service Programs (4, Irregular)** National social policy and patterns in human services; problems, issues, and trends in integration of multiple service programs; role and effects of citizen participation. Offered at the Washington, D.C. Center only.

**564 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.

**566 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.

**567 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.

**568 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.

**569 Administration of Mental Health Services (4, FaSp)** Mental health policies and programs; community responsibilities; legal requirements; interorganizational and intergovernmental relations; financing, planning, regulation, inspection, service organizations, and clients. *Prerequisite:* PUAD 551 and PUAD 585.

**570 Organizations and Public Policy (4, Sp)** Theories of complex organizations; intraorganizational and interorganizational processes related to policy implementation; regulation, inspection, service organizations, and clients.

**571 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.

**572 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. *Prerequisite:* PUAD 527, PUAD 512, and PPMT 404 or departmental approval.

**573 Wellness in the Workplace (4, Irregular)** Forces affecting employee health and productivity including management's role, organizational structure, health promotion, life style, health care costs; fitness, smoking, nutrition, occupational health program.

- 574 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.
- 575 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.
- 577 Problems in Research and Development Administration (4, Irregular)** Research and Development laboratories as unique organizational environments. Organizational and managerial problems associated with laboratory administration. Analytical methods useful in problem-solving activities of R&D managers.
- 578 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.
- 579 Comparative Public Administration (4, Irregular)** Methodologies, theories and models of comparison; administrative systems; role and functions of the public sector; administrative cultures.
- 580 Policy Development and Administration of Mental Health Services (4, Irregular)** Development and analysis of federal, state, and local mental health policies; intergovernmental and interorganizational issues; administrative, political, and institutional issues; role and functions of managers.
- 581 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.
- 582 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.
- 583 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.
- 584 Interprofessional Practice in Health and Human Services in Inner City Communities (1)** (Enroll in SOWK 584)
- 585 Human Behavior in Public Organizations (4, FaSpSm)** Behavior in organizations; focus on personal, interpersonal, and group level factors that influence such behavior.
- 586 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.
- 589 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. *Prerequisite:* departmental approval.
- 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.
- 591 Research and Evaluation in Public Administration (4, FaSpSm)** Methods of social science research and evaluation design; overview of qualitative and quantitative (multivariate) techniques; computer applications. *Prerequisite:* PPMT 404.
- 593 Advanced Seminar in Health Services Administration (4, FaSpSm)** Application of principles of health administration in several practice settings. Decision-making; strategic management; organizational performance; communication; provider comparisons. *Prerequisite:* PUAD 530, PUAD 531a, PUAD 532, PUAD 536, PUAD 537, PUAD 558, PUAD 585.
- 594abz Master's Thesis (2-2-0, FaSpSm)** Credit on acceptance of thesis. Graded IP/CR/NC.
- 595 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.
- 597 Professional Practice of Public Administration (4, FaSpSm)** Constitutionally accountable and ethical practice, individually and organizationally; applications of core competencies; practical inquiry, analysis, systems; comparative frameworks; citizenship and public service. *Prerequisite:* PUAD 500, PUAD 512, PUAD 595 and 16 additional units.
- 600 Seminar in Public Administration (8, Fa)** Scope and method in public administration; historical and philosophical perspectives; role of governmental bureaucracies in society.
- 601 Intellectual Tradition of Public Administration (4, Fa)** Scope and method in public administration; historical and philosophical perspectives; philosophy of science; normative perspectives; significant schools of administrative and managerial thought. *Prerequisite:* PUAD 500.
- 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:* PUAD 513 or departmental approval.
- 616 Seminar in Public Personnel Policy (4, Sp)** Determination of policy by legislature, civil service commissions, departmental practices, human resource development, trends, processes and problems in public personnel management. *Prerequisite:* PUAD 516 or departmental approval.
- 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.
- 626 Seminar in Public Policy Processes and Analysis (4, Fa)** Critical analysis of the policy field; theoretical foundations; integration of quantitative, organizational, and political considerations; policy research. *Prerequisite:* PUAD 512, PUAD 527 or departmental approval.
- 630 Seminar in Health Program Policy and Administration (4, Irregular)** Research into the formulation of health policies, programs, and administrative mechanisms associated with the delivery of health services.
- 639 State Politics and Education (3)** (Enroll in EDPA 639)
- 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:* PUAD 512.
- 682 Seminar in Development Administration (4, Sm)** The development process: planning; assistance; the role of administration in achieving development goals.
- 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:* PUAD 585.

**691 Seminar in Research Methods**

(4, FaSpSm) Conceptual and model analysis; in-depth research; current research literature; theory construction; individual research papers. *Prerequisite:* PPMT 404.

**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:* PPMT 404.

**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:* PUAD 500.

**696 Self-Assessment and Career Planning**

(4, Sp) Personal assessment of administrative experience, present situation, future goals; implications of self-assessment for academic pursuit. Substantial written document required. First course in D.P.A. curriculum. Graded CR/NC.

**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.

**699 Special Topics in Public Administration**

(1-4, max 8, Sp) Current issues, trends, and developments in public administration.

**700ab Seminar in Teaching Public Administration (1, 1, FaSp)**

Pedagogy: learning objectives, curriculum design, teaching methods, evaluation. Theory and practice in public administration relative to learning theory. Open only to Ph.D. and D.P.A. students. Graded CR/NC. *Prerequisite:* PUAD 500, PUAD 675, PUAD 685, PUAD 691, PUAD 695 or departmental approval.

**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.

**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. *Prerequisite:* PPMT 404, PUAD 500, PUAD 512, and PUAD 585 or departmental approval.

**794abcdz Doctoral Dissertation (2-2-2-2-0, FaSpSm)** Credit on acceptance of dissertation. Graded IP/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 Development (4, Fa)** Market analysis in a political, public, and planning context. Project impact analysis and impact fee calculations, technical aspects of market studies. Growth forecasts and master planning.

**542 Finance of Real Estate Development (4, Sm)**

Real estate finance including: mortgage evaluation, analysis of cash flow and economic returns, secondary market, and joint ventures and capital markets.

**546 Development Processes (4, Sp)**

Organizing and planning the development process. Venture structure, site selection, approvals, pricing, construction, leasing operations and sales. Case studies.

**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.

**548 Construction Law (2, Sp)**

Major legal issues and documents utilized in the construction field are studied with an emphasis on current applications in the industry.

**551 The Approval Process (4, Sp)**

A review of the approval process for real estate development including EIR review, land use entitlement, government relations. Ethical issues and negotiation skills.

**563 Introduction to the Asset Management of Real Estate (2, Fa)**

Introduction and overview of institutional asset management, including: acquisition, performance monitoring, refinancing, ownership interacting, and disposition.

**564 Issues in Asset Management of Real Estate (2, Sp)**

Advanced issues in institutional asset management. Tenant relations. Environmental aspects. Management of various property types. *Prerequisite:* RED 563.

**571 Introduction to Appraisal Principles, Procedures and Standards (4, Fa)** Introduction to real property and its appraisal. Valuation processes. Standards of professional practice.

**572 Advanced Appraisal Approaches and Applications (2, Sp)**

Advanced appraisal skills, including income capitalization, risk analysis, highest and best use analysis, and other applications. *Recommended preparation:* RED 571.

**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 socio-economic 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.

**662 Legal Issues in Real Estate Development (4, Fa)**

Forms of ownership, construction contracts, lender documents, methods of holding title, acquiring and selling property, legal implications of financing, government controls, commercial leases, tax issues.

**673 Design History and Criticism (2, Fa)**

The concepts, language, and metaphors of design-related disciplines are examined in relation to design and construction values and choices in real estate development.

**674 Building Typologies (2, Fa)**

The exploration of categories of building types, including retail, industrial, residential, office, and institutional, using key examples or case studies from each.

**675L Community Design and Site Planning (2-4, max 8, Sp)**

Physical implementation of development projects. Students will develop concept plan, preliminary design, and marketing plan for selected domestic and/or international development sites.