
USC Davis School of Gerontology



USC's Davis School of Gerontology is the first to offer an online distance education program in which students can earn a graduate certificate or master of science degree in gerontology.

The USC Davis School of Gerontology, opened in 1975, is the first professional school of gerontology in the United States. The School of Gerontology is the instructional division of the Ethel Percy Andrus Gerontology Center. The Gerontology Center was established in 1964 as a major research and training institute for the study of aging. The school is able to draw upon the rich and supportive environment of the center to offer a wide range of professional and scientific courses.

The major purpose of the school is to prepare professionals at the undergraduate, master's and doctoral levels for work in programs, organizations, agencies and businesses which address the needs of an aging population. This includes the education of administrators, program planners, policy analysts, researchers, instructors and direct service personnel for employment in government, human services, social services, health care, education, recreation and private enterprise.

The school functions as a multidisciplinary educational institution with faculty members representing the major professional and disciplinary fields related to gerontology.

The curriculum provides each student with a firm understanding of the basic concepts and research of gerontology in addition to developing professional skills in a particular area through field practice, course work and research.

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Faculty

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AARP University Chair in Gerontology: Vern L.
 Bengtson, Ph.D. *(Sociology)*

Paul F. Glenn Foundation Chair in Cellular and
Molecular Gerontology: Julie Andersen, Ph.D.
(Neurogerontology)

ARCO/William F. Kieschnick Chair in the
Neurobiology of Aging: Caleb E. Finch, Ph.D.
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James E. Birren Chair in Gerontology: Kelvin
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 Pynoos, Ph.D. *(Policy, Planning, and*
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 Bob Knight, Ph.D. *(Psychology)*

Edna M. Jones Professorship in Gerontological
Research: Eileen Crimmins, Ph.D. *(Sociology)*

Albert L. and Madelyne G. Hanson Family Trust
Assistant Professorship: Merril Silverstein,
 Ph.D. *(Sociology)*

Professors: William Bondareff, M.D., Ph.D.
(Medicine); Margaret Gatz, Ph.D. *(Psychology);*
 Peter V. Lee, M.D. *(Family Medicine);* Martin
 Levine, Ph.D. *(Law, Psychiatry and the*
Behavioral Sciences); Thomas H. McNeill,
 Ph.D. *(Biological Sciences);* Robert C. Myrtle,
 D.P.A. *(Policy, Planning, and Development);*
 David A. Peterson, Ph.D. *(Education);* Victor
 Regnier, M.Arch. *(Architecture);* Lon
 Schneider, M.D. *(Psychiatry and Neurology);*
 John Tower, Ph.D. *(Biological Sciences)*

Associate Professors: Victor W. Henderson,
 M.D. *(Neurology);* Phoebe Liebig, Ph.D.
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 Lipson, M.D. *(Medicine);* Jeffrey McCombs,
 Ph.D. *(Pharmacy);* Michal Mor-Barak, D.S.W.
(Social Work); Roseann Mulligan, D.D.S.
(Dentistry); Mike Nichol, Ph.D. *(Pharmacy);*

Teresa Seeman, Ph.D. *(Epidemiology);* John
 Walsh, Ph.D.; Kathleen Wilber, Ph.D. *(Policy,*
Planning, and Development); Bradley R.
 Williams, Pharm.D. *(Clinical Pharmacy);*
 Elizabeth Zelinski, Ph.D. *(Psychology)*

Research Assistant Professors: Donna Benton,
 Ph.D.; Galen Buckwalter, Ph.D. *(Psychology);*
 Roseanne Giarrusso, Ph.D.; Todd Morgan,
 Ph.D.

Lecturers: Pauline Abbott, Ed.D.; Helen
 Dennis, M.A.; Leah Buturain-Schneider,
 M.A.

Adjunct Professors: Gerald A. Larue, Ph.D.
(Religion); Fernando Torres-Gil, Ph.D. *(Policy,*
Planning, and Development)

Adjunct Associate Professors: Bryan Kemp,
 Ph.D.; Monika White, Ph.D.

Adjunct Assistant Professors: Valerie L. Remnet,
 Ph.D.; Marlene Wagner, Ph.D. *(Literature)*

Clinical Associate Professors: Michael Gilewski,
 Ph.D.; Craig Schweon, Ph.D.

Clinical Assistant Professors: Anne Katz, Ph.D.
(Social Work); Daniel Kempler, Ph.D.; Laura
 Mosqueda, M.D. *(Medicine)*

Emeritus Professors: James E. Birren, Ph.D.
(Psychology); Margaret Hartford, Ph.D. *(Social*
Work); Ruth B. Weg, Ph.D. *(Biological Sciences)*

Emeritus Research Associate Professors: Richard
 Davis, Ph.D.; Raymond Steinberg, D.S.W.

Programs

The Davis School of Gerontology offers an undergraduate degree, Bachelor of Science in Gerontology; a graduate degree, Master of Science in Gerontology (also offered online); and a Ph.D. in Gerontology. In addition, undergraduate students in the university may earn a minor in gerontology. Non-degree graduate students may complete 24 units of gerontology and be awarded a graduate level certificate in gerontology.

Master's degree students may pursue one of several dual degrees which are jointly offered with other professional schools. These are the Master of Science in Gerontology/Master of Business Administration (M.S./M.B.A.) with the Marshall School of Business; Master of Science in Gerontology/Doctor of Dental Surgery (M.S./D.D.S.) with the School of

Dentistry; Master of Science in Gerontology/Master of Public Administration (M.S./M.P.A.) with the School of Policy, Planning, and Development; Master of Science in Gerontology/Master of Health Administration (M.S./M.H.A.) with the School of Policy, Planning, and Development; Master of Science in Gerontology/Master of Social Work (M.S./M.S.W.) with the School of Social Work; Master of Science in Gerontology/Juris Doctor (M.S./J.D.) with the Law School; Master of Science in Gerontology/Master of Planning (M.S./M.Pl.) with the School of Policy, Planning, and Development; and Master of Science in Gerontology/Master of Arts in Jewish Communal Services (M.S./M.A.) with Hebrew Union College.

In addition to the degree, minor and certificate programs, overview courses in aging are offered for undergraduates enrolled in other units of the university. Many gerontology courses can be credited as elective units toward graduation.

The Gerontology Research Institute

The Gerontology Research Institute initiates, designs and executes basic research on the many phases of aging, and provides for graduate and post-graduate training in the biological, social and behavioral sciences. Specific areas of study include neurobiology, cognitive development, histopathology, social organization behavior, human service delivery, demography and social policy.

The institute offers a multidisciplinary research training program in gerontology. It is directed toward graduate students pursuing the Ph.D. as well as a limited number of post-doctoral fellows who develop research and academic careers in specialized areas of gerontology. Research training is carried out within individual disciplines.

In addition to the Ph.D. in Gerontology, programs are available through the various disciplines of the university in cooperation with faculty in the research institute. Persons interested in this level of education should contact the Gerontology Research Institute, Ethel Percy Andrus Gerontology Center, University of Southern California, University Park, Los Angeles, CA 90089-0191.

Undergraduate Degree

Bachelor of Science in Gerontology

The Bachelor of Science in Gerontology prepares students for admission to a graduate or professional school with an emphasis on aging, such as medicine, law, dentistry, social work, occupational/physical therapy, public administration, urban planning, business or social gerontology. It also prepares students for entry level jobs in services for the aging in senior centers, corporations, nursing homes, nutrition programs, volunteer programs, area agencies on aging or other human services organizations.

Students planning to pursue a B.S. are urged to notify the school of this intent as early as possible during their undergraduate study. This will help ensure that the student receives proper advisement and that the student is alerted to any special requirements or program modifications.

During the freshman and sophomore years, students enroll primarily in general education required courses as specified by the university and the Gerontology gateway course (GERO 200).

During their junior and senior years, students enroll in required and elective courses in the School of Gerontology as well as other courses throughout the university. These courses are selected in consultation with an advisor and reflect the personal and professional interests of the students.

A grade point average of at least C (2.0) on all units attempted at USC is required for undergraduate degrees. The School of Gerontology requires a minimum 2.0 grade point average in upper division major courses.

A Health Science track within the Bachelor of Science in Gerontology program has been designed for students who wish to pursue a career in medicine or other health related fields. Students will be able to meet medical school entrance requirements, while the program will also provide appropriate breadth and rigor of gerontology instruction and fulfill general education requirements. In addition, students will participate in a supervised practicum experience in which they will become directly involved with aging clients in a health care setting. Students interested in this program must make application to the

department and be approved for admission to this specialized track. Upon acceptance, student progress will be closely monitored by a faculty advisor.

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) enter the Davis School of Gerontology as freshmen in the summer of 1997 or later; or (2) begin 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.

Foreign Language or Programming Skills (12 Units)

Students in the Health Science Track must complete ITP 101x and eight units of gerontology electives. All others must satisfy the skill level requirement in one language or complete ITP 101x, ITP 201x, and additional ITP 100-level programming courses to total 12 units.

Degree Requirements

REQUIRED COURSES		UNITS
GERO 200	Gerontology: The Science of Adult Development	4
GERO 210	Biology of Adult Development	4
GERO 320	Psychology of Adult Development	4
GERO 330	Society and Adult Development	4

GERO 340	Policy, Values and Power in an Aging Society	4
GERO 350	Administrative Problems in Aging	4
GERO 481	Case Management for Older Adults	4
GERO 491	Gerontology Practicum	4
GERO 492	Senior Seminar in Aging	4
	General Education	24
	Writing Requirement	8
	Foreign Language or Programming	12
	Gerontology electives	12
	One approved statistics course	4
	Electives in gerontology and related disciplines	32
	Total	128

Health Science Track in Gerontology

Requirements for Admission

The listed requirements for admission to the Health Science track in gerontology will not differ from existing requirements for admission to the Bachelor of Science in Gerontology. However, because health professional schools are very competitive, USC students interested in this program will be expected to have achieved at least a 3.0 grade point average (A = 4.0) and will be carefully reviewed by faculty before being admitted. Students entering the program from high schools or transferring from community colleges will also be expected to meet the minimum admission standards as well as undergo a faculty review. Current USC students will not be able to "declare" gerontology as their major and enroll in the Health Science track without specific admission by the gerontology faculty.

Requirements for Completion of the Health Science Track

Students must complete 128 total units.

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 Davis School of Gerontology 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.

SCIENCE AND MATHEMATICS	UNITS
BISC 110L-112L Introduction to Biology I, II	8
CHEM 105abL General Chemistry	8

CHEM 322abL Organic Chemistry	8
MATH 125 Calculus I	4
PHYS 135abL Physics for the Life Sciences	8
	<hr/> 36

GERONTOLOGY UPPER DIVISION CORE COURSES

GERO 310 Physiology of Aging	4
GERO 320 Psychology of Adult Development, or Society and Adult Development	4
GERO 340 Policy, Values and Power in an Aging Society	4

GERO 414 Neurobiology of Aging	4
GERO 495 Practicum in Geriatric Care	4
	<hr/> 20

Gerontology Upper Division Electives (12 units)

Electives may include seminars on ethical issues in health care, medical and neuro-affective disorders and other courses of interest to pre-professional students.

Elective Courses in Relation to the Major (24 units)

These may include courses from any department in the university. Electives are recommended by school faculty advisors based on the student's career plans. At least eight credits must be upper-division courses. Electives may include additional courses required for admission to specific professional programs.

Minor in Gerontology

The undergraduate minor program gives students in the university the option of combining their major with an emphasis in gerontology. The program provides students the opportunity to supplement their education with a basic understanding of the rapidly growing field of aging.

The minor, which is multidisciplinary in nature, allows the student to survey the sociological, political, psychological and biological aspects of aging; to gain an understanding of the current services available to older persons; and to examine the contemporary policy issues facing the field. There are three tracks. "Adult Development and Aging" is for students interested in how adults change psychologically and how society treats them as they age. "Aging and Health: Psychosocial Issues" is for students interested in a wide range of health issues in aging that are based largely on disciplines in the behavioral and social sciences as well as in physiology. Upon completion of 16 units the student in these tracks will receive a minor titled "Gerontology" from the School of Gerontology in addition to the bachelor's degree. The third track is titled "Aging and Health: Biological Issues" and is designed for students in biological sciences or exercise science who have completed biology and chemistry prerequisites in their courses of study and who are interested in biological as well as social bases of health issues in aging. Upon completion of 28 units, which includes 12 units of prerequisites, the student in this track will receive a minor titled "Gerontology" from the School of Gerontology in addition to the bachelor's degree.

Course Requirements

Adult Development and Aging Track

REQUIRED COURSES	UNITS
GERO 320 Psychology of Adult Development (Recommended preparation: PSYC 100)	4
GERO 330 Society and Adult Development	4
Select two from the following:	
GERO 380 Diversity in Aging	4
GERO 385 Transitions in Adulthood	4
GERO 435 Women and Aging: Psychological, Social and Political Implications	4
GERO 437 Social and Psychological Aspects of Death and Dying	4
SOCI 385 Population, Society, and Aging	4
SOWK 303 Crises in Human Development	4
Total	<hr/> 16

Aging and Health: Psychosocial Perspectives Track

REQUIRED COURSES	UNITS
GERO 416 Health Issues in Aging	4
Select three from the following:	
GERO 340 Policy, Values, and Power in an Aging Society	4
GERO 380 Diversity in Aging	4

GERO 415 Neuroaffective Disorders of Aging	4
GERO 421 Managed Care for an Aging Society	4
GERO 437 Social and Psychological Aspects of Death and Dying	4
GERO 451 Policy and Program Development in Aging	4
GERO 475 Ethical Issues in Geriatric Health Care	4
GERO 481 Case Management for Older Adults	4
NURS 308 Human Development: Health Issues Across the Life Span	4
REL 319 Religious and Ethical Issues in Death and Dying	4
SOCI 385 Population, Society, and Aging	4
Total	<hr/> 16

Aging and Health: Biological Perspectives Track

REQUIRED COURSES	UNITS
BISC 110L Introduction to Biology I (Corequisite: CHEM 105aL or CHEM 115aL)	4
BISC 112L Introduction to Biology II (Prerequisite: CHEM 105bL or CHEM 115bL)	4
CHEM 105aL General Chemistry, or CHEM 115aL Advanced General Chemistry	4

CHEM 105bL	General Chemistry, or		GERO 414	Neurobiology of	GERO 481	Case Management	
CHEM 115bL	Advanced General			Aging (Prerequisite:		for Older Adults	4
	Chemistry	4		BISC 112L)	GERO 496	Introduction to	
GERO 310	Physiology of Aging		GERO 415	Neuroaffective		Clinical Geriatrics	
	(Prerequisite:			Disorders of Aging		(Prerequisite:	
	BISC 112L)	4	GERO 421	Managed Care for		BISC 112L)	4
GERO 416	Health Issues in			an Aging Society	NURS 308	Human Development:	
	Aging	4	GERO 437	Social and		Health Issues Across	
	Select two from the following:			Psychological Aspects		the Life Span	4
GERO 340	Policy, Values, and			of Death and Dying	REL 319	Religious and Ethical Issues	
	Power in an Aging		GERO 451	Development in Aging		in Death and	
	Society	4		Ethical Issues in	SOCI 385	Dying	4
GERO 380	Diversity in Aging	4	GERO 475	Geriatric Health Care		Population, Society,	
						and Aging	4
					Total		32

Graduate Degrees

Master of Science in Gerontology

The Master of Science in Gerontology prepares graduates to assume professional leadership positions in the delivery of services to older people and their families, in the planning and evaluation of services, in administration of programs and in the instruction of older people and service providers.

All students take core courses in physiological, psychological, sociological and social policy aspects of aging, research methods and the capstone course.

In addition, a series of courses, selected from a list of skill requirements, is chosen to assist the student in developing specific professional practice skills. A field practicum assures that these skills can be applied in agencies and institutional settings.

The Master of Science in Gerontology requires 52 units of course work and field experience. This includes 32 units of required courses and 20 units of specialization courses. The course work includes instruction on the processes of aging and professional courses designed to develop the skills needed for practice. The field practicum includes two semesters of practical experience working in an organizational setting.

Continuous registration in the program is required. There is a five year completion time limit for the degree. Leaves of absence are available for limited times and are excluded from the total time limit. A maximum of two absences (one year each) is allowed.

Prerequisites for Admission

Students applying for admission to the Master of Science in Gerontology program must have a bachelor's degree from an accredited college or university. In selecting applicants for admission, the School of Gerontology considers both academic potential (as reflected in undergraduate study and scores on the Graduate Record Examinations) and professional potential (as reflected in experience, references and career goals). The school requests information from applicants to supplement that supplied by the USC Application for Graduate Admission. Such supplemental information usually includes a statement of interest in gerontology and letters of reference. Interviews may be required.

An approved statistics course is required of all students entering the program.

Probation and Disqualification

Probation and Warning

Any graduate student whose cumulative or semester grade point average in the university falls below B (3.0) will be placed on academic probation. A graduate student whose semester average falls below B (3.0) but whose cumulative grade point average in the university is 3.0 (A = 4.0) or higher will be placed on academic warning.

Disqualification

A graduate student on academic probation will be disqualified if his or her cumulative record accumulates more than 12 units of C work.

A graduate student, whether on probation or not, will be subject to disqualification if the Student Affairs Committee of the Davis School at any time determines deficiency in academic achievement or upon failure of the comprehensive examination after two attempts.

Common Requirements

All candidates for the Master of Science degree must complete the following common requirements:

REQUIRED COURSES	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	8
GERO 593	Research Methods	4

Skill requirements: 12 units from the following

GERO 522	Counseling Older Adults and Their Families	4
GERO 543	Continuum of Care: A Systems Perspective	4
GERO 550	Administration and System Management in Programs for Older Adults	4
GERO 551	Applied Policy Skills in Aging	4
GERO 554	Program Evaluation	4

Electives 8

Capstone Course

GERO 555	Integrating Gerontology: A Multidisciplinary Approach	4
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Common requirements for all programs include the 28 required units and GERO 555, totaling 32 units. In addition, each candidate must complete the 12 units of skills requirements and eight units of electives.

Field Practicum

The field practicum provides the opportunity for the student to gain valuable experience and develop needed skills by working in a community agency or institution. It involves 480 hours of community involvement, generally over two semesters.

Field placement assignments are made by the internship coordinator of the school in consultation with the student and in accordance with the resources available in the community. Every effort is made to secure placement which will reflect the student's capacity to assume the responsibilities of a professional in gerontology. Evaluations of the student's performance are sent to the school by the community agency; the student receives a grade of credit/no credit in GERO 591z Field Practicum.

Advanced Placement Master of Science in Gerontology

The Advanced Placement M.S. program allows the outstanding student who has completed a Bachelor of Science in Gerontology to waive several courses in order to complete the master's degree in 36 units rather than the 52 units for the regular program.

REQUIRED COURSES	UNITS
GERO 510	4
GERO 520	4
GERO 530	4
GERO 540	4
GERO 555	4
GERO 591z	8
GERO 593	4
Gerontology skill requirements	12
Gerontology electives	4
	36

Program Adaptation

Three of the following courses, GERO 510, 520, 530 and 540, will be waived for students in the advanced placement track.

Requirements for the Online Master of Science in Gerontology

The online M.S. in Gerontology provides an opportunity for professionals who are currently working in an organization serving older adults and who cannot come to campus to acquire skills and formal training in gerontology. The online program requires 52 units of course work and field experience.

The required courses are delivered via the Internet. The courses are offered in sequential order and are restricted by availability. Continuous registration in the program is required. Leaves of absence are available for limited times and are excluded from the total time limit. Entering students are required to begin their course of study by taking GERO 500.

The capstone course (GERO 555) will require one week on campus. This will allow students opportunities for greater intensity of work, personal interaction with other online students, exposure to faculty members, and access to seminars and conferences held on the University Park Campus.

In order to participate in the online courses, students will be required to have access to a multimedia computer with modem, printer and CD-ROM drive; an Internet provider with email and an internet browser; and word processing software. Specific details regarding the computer requirements will be provided by the department.

Admission standards and prerequisites are the same as listed for the traditional Master of Science in Gerontology on page 545.

Students will be given a \$50 credit per semester toward fees for proctored exams at a test site in the student's area.

REQUIRED COURSES	UNITS
GERO 500	4
GERO 510	4
GERO 513	4
GERO 520	4
GERO 522	4
GERO 530	4
GERO 540	4
GERO 550	4

GERO 551	Applied Policy Skills in Aging	4
GERO 555	Integrating Gerontology: A Multidisciplinary Approach	4
GERO 591z	Field Practicum	8
GERO 593	Research Methods	4
		52

Requirements for the Specialization in the Health Service Area with Long Term Care Certificate

In addition to the 32 units of common requirements for the M.S. in Gerontology, the following courses are required to earn the certificate.

CORE COURSES	UNITS
PUAD 530	4
PUAD 558	4
PUAD 585	4
PUAD 531a	4
PUAD 551	4
Elective	4
	16

ONE SPECIALIZED COURSE FROM THE FOLLOWING:

GERO 550	Administration and System Management in Programs for Older Adults	4
PUAD 508	Management of HMOs and Ambulatory Care Services	4
PUAD 509	Management of Long-Term Care Organizations	4
PUAD 569	Administration of Mental Health Services	4

Graduate Level Certificate in Gerontology

The graduate certificate in gerontology program provides an opportunity for those who have completed a bachelor's degree in another profession or discipline and are employed in the field of aging to acquire a greater understanding of gerontology theory and research. The program consists of 24 units of gerontology content designed to familiarize the student with several areas of the field which relate to professional practice.

In addition to the required core courses for the certificate program (GERO 510, 520, 530, 540), each student will have the option to choose elective courses which meet his or her particular area of interest.

Certificate students do not take a field practicum. Students admitted to the non-degree certificate program are expected to enroll each semester until the program is completed.

Pharm.D.-Graduate Certificate in Gerontology

This integrated program in pharmacy and gerontology prepares students with an interest in geriatric pharmacy to assume leadership roles at academic, administrative or policy levels within the profession.

The program involves the completion of 16 units of core courses in physiology, psychology, sociology and social policy aspects of aging offered by the School of Gerontology (GERO 510, 520, 530, 540). In addition, students are required to complete 8 to 12 units of approved elective courses in gerontology or geriatric pharmacy to be credited toward the requirements for the Pharm.D. and the Graduate Certificate in Gerontology.

REQUIRED COURSES IN 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
		16

EIGHT UNITS OF ELECTIVES IN GERONTOLOGY AND GERIATRIC PHARMACY

GERO 545	Prevention, Rehabilitation, and Health Promotion	2
GERO 546	Health Assessment and Client Management for the Elderly	2
GERO 555	Integrating Gerontology: A Multidisciplinary Approach	4
GERO 561	Education for the Older Adult	2-4
PHAR 559	Geriatric Pharmacy I	3
PHAR 560	Geriatric Pharmacy II	3

PHAR 603	Skilled Nursing Facility Clerkship	6
PHAR 606	Geriatrics Clerkship	6
PHAR 631	Acute Care Geriatrics Clerkship	4-6
PHAR 632	Advanced Geriatrics Clerkship	6
		8

It is expected that the program can be successfully completed by candidates taking electives in geriatric pharmacy or gerontology during the regular semester and completing one core course in gerontology during each summer in the four year Pharm.D. program.

Admission Requirements

Students who have a baccalaureate degree from an accredited college or university must submit separate applications to the School of Pharmacy and the School of Gerontology. All requirements for admission to the regular Pharm.D. program must be fulfilled by the candidate. GRE scores are not required for admission to the certificate program.

Dual Degree Programs

The School of Gerontology cooperates with five other professional schools at USC and Hebrew Union College in offering programs in which the student receives two master's degrees. These degrees provide the student with the knowledge and skills of gerontology as well as those of the other professional field. The dual degrees require more course work than the M.S. alone, but offer the graduate greater breadth of education and employment options.

Dual degrees currently available are the Master of Science in Gerontology and the Master of Business Administration (M.S./M.B.A.) with the Marshall School of Business; the Master of Science in Gerontology and the Doctor of Dental Surgery (M.S./D.D.S.) with the School of Dentistry; the Master of Science in Gerontology and the Juris Doctor (M.S./J.D.) with the Law School; the Master of Science in Gerontology and the Master of Public Administration (M.S./M.P.A.); the Master of Science in Gerontology and the Master of Health Administration (M.S./M.H.A.); and the Master of Science in Gerontology and the Master of Planning (M.S./M.Pl.) with the School of Policy, Planning, and Development; the Master of Science in Gerontology and the Master of Social Work (M.S./M.S.W.) with the School of Social Work. The School of Gerontology in

cooperation with Hebrew Union College offers the Master of Science in Gerontology and the Master of Arts in Jewish Communal Service (M.S./M.A.). Students must apply to both schools simultaneously and, if accepted to both, participate in specially designed programs combining the courses of each school.

Admission to Dual Degree Programs

Applicants to any of the dual degree programs must submit two application forms to the Office of Admissions; one indicating gerontology as the major and one indicating the other degree as the major. Each of the schools must accept the student for admission. Acceptance into one school's degree program does not imply acceptance into the dual degree program.

Gerontology and Business Administration

The M.S./M.B.A. dual degree combines knowledge of the older population with the skills of business management. The program prepares graduates for a number of roles in both public and private sector organizations including the marketing of products or services to seniors, human resource development with older workers and retirement benefits.

Gerontology Requirements

The Master of Science in Gerontology requires 30 units of course and field work which covers the core content of the M.S. program.

REQUIRED COURSES		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 570	Corporate Policies and Aging	4
GERO 591z	Field Practicum	4
GERO 555	Integrating Gerontology: An Interdisciplinary Approach	4
Gerontology elective*		2
ELECTIVE COURSES* (CHOOSE ONE FROM THE FOLLOWING)		UNITS
GERO 444	Pre-Retirement Planning	2
GERO 513	Stress, Health, and Aging	2

GERO 545	Prevention, Rehabilitation and Health Promotion	2
GERO 592	Multidisciplinary Research Seminar in Aging	2
		<hr/> 30

Business Administration Requirements

The Master of Business Administration will require 48 units of credit. Required courses include: all courses required in an M.B.A. program; MOR 548 Human Resource Management (3 units); one marketing elective chosen from among MKT 512 Marketing and Consumer Research, MKT 525 Consumer Behavior, MKT 560 Marketing Strategy and Policy, and MKT 569 Contemporary Marketing Problems (3 units); and additional graduate business electives sufficient to bring the total units completed in the Marshall School to at least 48.

Program Adaptation

The School of Gerontology will waive 12 units of skill related courses and 6 units of electives, plus GERO 593ab Research Methods (4 units), which are required in the regular M.S. program.

Gerontology and Dentistry

The M.S./D.D.S. dual degree program extends over five years and is offered cooperatively by the USC School of Dentistry and the Davis School of Gerontology. The program addresses the challenges facing oral health care providers as the number of older persons needing dental care increases. With the evolution of care toward patients who live longer lives, graduating dentists will be better prepared to provide service to the aging population in community settings and health care facilities.

The student spends the first year taking required D.D.S. courses in the School of Dentistry. Gerontology course work will be introduced in the second year and continues through the fifth year.

Gerontology Requirements

The Master of Science in Gerontology requires 38 units of course and field work taken in the School of Gerontology which covers the core content of the M.S. program.

REQUIRED COURSES		UNITS
GERO 475	Ethical Issues in Geriatric Health Care	4
GERO 519	Biological Processes and Aging	4
GERO 520	Life Span Developmental Psychology	4

GERO 530	Life Span Developmental Sociology	4
GERO 555	Integrating Gerontology: A Multidisciplinary Approach	4
GERO 540	Social Policy and Aging	4
GERO 591z	Field Practicum	6
GERO 593	Research Methods	4

ELECTIVE COURSES

Choose one from the following list in consultation with the advisor:

GERO 513	Stress, Health and Aging	4
GERO 522	Counseling Older Adults and Their Families	4
GERO 545	Prevention, Rehabilitation and Health Promotion	2
GERO 546	Health Assessment and Client Management for the Elderly	2
GERO 550	Administration and System Management in Programs for Older Adults	4
GERO 561	Education for the Older Adult	4

Dentistry Requirements

See page 400 in the Dentistry section for a listing of School of Dentistry requirements for the D.D.S./M.S. dual degree program.

Program Adaptation

The Davis School of Gerontology will waive 14 units of credit: GERO 510 Physiology of Development and Aging (4); GERO 589 Professional Issues in Gerontology (4); GERO 591z Field Practicum (2) and GERO electives (4). These requirements will be replaced by INTIP 651 (4), INTIP 502ab (2-2), GSPD 610 (1), GSPD 612 (1) and INTX 502c (1).

Gerontology and Public Administration

The M.S./M.P.A. dual degree offers the student 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.S./M.P.A. dual degree, students spend their first year taking the required courses in the School of Gerontology. The research course (GERO 593) and the capstone course (GERO 555) are taken in the School of Gerontology. The student begins courses in the USC School of Policy, Planning, and Development during the second semester of the first year.

GERONTOLOGY REQUIREMENTS		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 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
		<hr/> 40
POLICY, PLANNING, AND DEVELOPMENT 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	
PUAD 558	Quantitative Analysis I	4
PUAD 585	Human Behavior in Public Organizations	4
PUAD 595	Public Organization and Management Theory	4
PUAD 597	Professional Practice of Public Administration	4
		<hr/> 28

Program Adaptation

For the M.S. in Gerontology, 8 units of skill related courses and 4 units of electives are waived. For the Master of Public Administration, 12 units of gerontology courses are used as the substantive specialization.

Gerontology and Health Administration

The School of Gerontology provides the opportunity for students to specialize in health care administration (profit and non-profit) through the dual degree with the School of Policy, Planning, and Development's Health Administration Program. Students earn the M.S./M.H.A. and the certificate in Long Term Care Administration.

GERONTOLOGY REQUIREMENTS		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 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
		36

POLICY, PLANNING, AND DEVELOPMENT REQUIREMENTS		UNITS
PUAD 509	Management of Long-Term Care Organizations	4
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 536	Legal Issues in Health Care Delivery	4
PUAD 537	Economic Concepts Applied to Health	4
PUAD 551*	Financial Accounting in the Public and Non-Profit Sectors	4
PUAD 558	Quantitative Analysis I	4
PUAD 585	Human Behavior in Public Organizations	4
PUAD 593	Advanced Seminar in Health Services Administration	4
		40

*Meets the accounting requirement for the M.H.A. portion of the M.S./M.H.A. dual degree program.

Any course substitutions are done by petition on an individual basis and should be part of a carefully developed course of study. The School of Policy, Planning, and Development should be consulted concerning this program of study.

Gerontology and Law

The M.S./J.D. dual degree combines the knowledge of the older population with understanding of the legal system. The program prepares graduates for a number of roles in both public and private sector organizations. Students are required to complete 110 units of course work, 74 from the USC Law School and 36 from the School of Gerontology. The first year is devoted to required law courses, and the second, third and fourth years combine gerontology and law courses.

Gerontology Requirements

The Master of Science in Gerontology will require 36 units of course and field work which covers the core content of the M.S. program.

REQUIRED COURSES		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 555	Integrating Gerontology: A Multidisciplinary Approach	4
GERO 591z	Field Practicum	8
GERO 593	Research Methods	4
Gerontology elective		4
		36

The Davis School of Gerontology will waive 16 units of electives which are required in the regular M.S. program.

Law School Requirements

The Law School requires 74 units of credit.

REQUIRED COURSES, FIRST YEAR		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

Elective Course Work The second and third years of law study are primarily elective with one requirement. Students must satisfy the upper division writing requirement, either by completing a major, faculty-supervised writing project such as a dissertation, or by taking a course with a substantial writing component.

The Law School will waive 14 units of electives which are required in the regular J.D. program.

Gerontology and Social Work

The M.S./M.S.W. dual degree offers the student interested in direct service or community organization the credentials most valued in clinical and therapeutic practice. The M.S., when taken in connection with the social work degree, focuses course and field work on the older person and prepares the student for social work with older persons and their families.

In the M.S./M.S.W. dual degree program, the student enrolls primarily in the first year program of the USC School of Social Work. During the summer session, courses are taken in the School of Gerontology. Second year courses are taken in both the School of Gerontology and the School of Social Work. Field work during the second year is taken in the School of Gerontology. The research project is undertaken through the School of Social Work, and the research course and capstone course of the School of Gerontology are waived.

GERONTOLOGY REQUIREMENTS		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	8
Gerontology electives		8
		32

SOCIAL WORK REQUIREMENTS		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
		24

In the second half of the social work program, students may enroll in one of four concentrations: Mental Health; Health; Industry; or Community Organization, Planning and Administration (COPA). Required courses would be selected based on the chosen concentration as follows:

ONE COURSE IN THE SERIES		UNITS
SOWK 605	Human Development and Mental Health	3
SOWK 606	Human Development, Illness, and Disability	3
SOWK 607	Human Behavior in an Industrial Society	3
SOWK 609*	Human Behavior in Groups and Organizations	3

*Community Organization Planning and Administration (COPA) students must take 609; other students have a choice of substituting 699 Special Topics in Social Work for 605, 606 or 607.

ONE COURSE IN THE SERIES		UNITS
SOWK 625	Evaluation of Research: Mental Health	3
SOWK 626	Evaluation of Research: Mental Health in Mental Health Settings	3
SOWK 627	Evaluation of Research: The World of Work	3
SOWK 629	Evaluation of Research: Community Organization, Planning and Administration	3
SOWK 695	Research Project I, or	
SOWK 697	Research Project II	3

ONE COURSE IN THE SERIES		UNITS
SOWK 635	Social Policy: Mental Health	3
SOWK 636	Social Policy: Health Care	3
SOWK 637	Social Policy: The World of Work	3
SOWK 639	Social Policy for Macro Practitioners	3

ONE COURSE IN THE SERIES		UNITS
SOWK 645	Clinical Practice in Mental Health Settings	3
SOWK 646	Clinical Practice in Various Health Settings	3
SOWK 647	Social Work Practice in Work Settings	3
SOWK 649a	Seminar in Community Organization	3

ONE COURSE IN THE SERIES		UNITS
SOWK 649b	Seminar in Community Organization	3
SOWK 650	Social Work Practice III	3

ONE COURSE IN THE SERIES		UNITS
SOWK 675	Community Practice in Mental Health Settings	3
SOWK 676	Community and Administrative Practice in Health Settings	3
SOWK 677	Community Organization and Administration in Work Settings	3
SOWK 679	Social Planning and Administrative Processes	3
		42

Series course selection is done only with an academic advisor's approval.

Program Adaptations

The School of Gerontology waives 12 units. The research project is undertaken through the School of Social Work, and GERO 593, the research course, and GERO 555 are waived as well as one elective. The School of Social Work waives 12 units.

Gerontology and Urban Planning

The M.S./M.Pl. dual degree is one of 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 from the School of Policy, Planning, and Development and a minimum of four units of thesis in 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
Gerontology elective		4
		26

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
		16

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

Electives: 8 units of electives taken in the School of Policy, Planning, and Development.

Thesis: A thesis is required on a subject interrelating gerontology and urban planning and development. 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.

Gerontology and Jewish Communal Service

The M.S./M.A. dual degree provides the student the opportunity to combine training in gerontology with a perspective on human services in the Jewish community. It prepares students for the delivery, planning and administration of services to older people in primarily Jewish settings. Students must apply for admission to both USC and Hebrew Union College.

GERONTOLOGY REQUIREMENTS		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 555	Integrating Gerontology: A Multidisciplinary Approach	4
GERO 591z	Field Practicum	8
GERO 593	Research Methods	4
Gerontology elective		8
		40

For information about Jewish Communal Service requirements contact the Office of Admissions, Hebrew Union College — Jewish Institute of Religion, 3077 University Avenue, Los Angeles, CA 90007-3796.

Program Adaptations

The School of Gerontology waives 12 units of gerontology electives. Thesis units for the Jewish Communal Service degree are taken at Hebrew Union College.

Doctor of Philosophy in Gerontology

The purpose of the Ph.D. in Gerontology is to provide high level multidisciplinary education in individual and population aging to develop leadership in the field of gerontology. The program is designed to enhance the potential of able students to make scholarly and professional contributions to the field of gerontology through teaching, research, consultation, and policy planning and administration. To obtain this goal, the Ph.D. in Gerontology provides (1) high level rigorous training in basic and applied research, (2) the acquisition and application of scientific gerontological and public policy knowledge and (3) the development of leadership skills in the fields of gerontology and public policy.

Admission Requirements

Applicants for admission to the doctoral program must meet the following requirements:

- (1) Graduate standing in the University of Southern California.
- (2) Academic promise, as evidenced by above average achievement in previous undergraduate and professional education. A minimum GPA of 3.5 on all prior graduate work is required. In addition, a 3.25 GPA in an appropriate undergraduate major and a baccalaureate degree are required.
- (3) Personal qualities compatible with high level performance in gerontology and indicating a potential for leadership in the field. Applicants to the Ph.D. program must submit a resume of professional and academic experience, three letters of reference (academic and professional), a statement of objectives and examples of written work.
- (4) Satisfactory performance on the Graduate Record Examinations — existing test scores may be submitted if the GRE has been completed no more than five years prior to the date of application. A minimum score of 550 each on the Verbal and Quantitative GRE is required. A minimum score of 550 on the Analytic exam will be preferred but not required.
- (5) Submission of application materials as required. Instructions for application to the Doctor of Philosophy in Gerontology may be obtained by contacting the director of the program.

Degree Requirements

Course Requirements

Students must complete a minimum of 64 units of course work (with at least 24 of these units being completed in residency at USC), as well as additional dissertation units as required. All students will take courses in four areas:

- (1) A basic scientific core area, taught by School of Gerontology faculty, will stress the physiological, psychological, sociological and theoretical dimensions of both individual and population aging. Required courses include GERO 610 The Aging Society, GERO 628 Theories of Aging, GERO 510 Physiology of Development and Aging, and GERO 520 Life Span Developmental Psychology.
- (2) A second core area of policy oriented courses, taught by School of Gerontology faculty, will draw upon course work in gerontology, political science, public administration, social work, sociology, and political economy. Required courses include GERO 540 Social Policy and Aging, GERO 650ab Advanced Seminar in Public Policy, GERO 645 Politics and Policy Processes in an Aging Society and GERO 655 Economic Foundations of Aging Policy.
- (3) A third core area will focus on research and policy analysis skills, including both traditional social science research design, methods and statistics and a sequence of policy analysis skills and methods courses. Competence in advanced research methodology, statistics and policy analysis is required through satisfactory completion of GERO 593ab Research Methods, SOCI 621 Advanced Social Statistics, and PUAD 626 Seminar in Public Policy Processes and Analysis. In addition, the School of Gerontology requires all graduate students to demonstrate basic competency in statistics as a prerequisite of enrollment.
- (4) A fourth area of courses will involve electives which allow students to concentrate in a particular policy or analytic field of inquiry. Areas of concentration include but are not limited to: (a) politics and policy processes; (b) policy analysis; (c) federalism and state policy roles; (d) social values and policy choices.

Foreign Language Requirements

There are no foreign language requirements for the Ph.D. program.

Transfer Credits

Students with master's degrees or prior graduate course work in gerontology can petition to apply the credit toward required courses. Petition for credit will be based on the Graduate School's policies and requirements for "transfer of credit" and on approval by the doctoral advisory committee. Transfer credits toward the Ph.D. requirements will be limited to 20 units and must be credits taken within 10 years of entering the program.

Time Limit

The normal time for completing the Ph.D. is four to five years (without a prior master's degree). The first two years will consist of required and elective courses. The third year will consist of electives, the Ph.D. qualifying exams and completion of the dissertation proposal. The final year(s) will involve the completion of the dissertation. The maximum time to complete all requirements for the Ph.D. degree is eight years from the first course at USC applied toward the degree. Students who have completed an applicable master's degree at USC or elsewhere within five years of the proposed enrollment in the Ph.D. program must complete the Ph.D. in six years.

Screening Procedures

When students have completed a minimum of 16 but not more than 24 units of doctoral course work, the doctoral advisory committee assesses their performance through a screening process and makes a decision regarding their ability to continue in the program. If the student is granted permission to continue, a guidance committee is established.

Guidance Committee

The guidance committee is composed of five faculty members, three of whom are from the School of Gerontology, one of whom is either gerontology based or outside, and one from another academic unit of the university. The function of the guidance committee is to oversee the development of the student's academic progress through the qualifying examination, including the preliminary dissertation proposal.

Qualifying Examination

As a prerequisite for candidacy for the Ph.D., students must pass a qualifying examination in their specialized field of study that is comprehensive in nature and that necessitates independent study beyond course requirements. Students must have completed at least 28 units of course work in the doctoral program with a GPA of at least 3.25 before attempting the qualifying exam. The exam is designed to test mastery of knowledge and scholarly skills and to test readiness to undertake independent research. If the student fails this exam, it may be repeated one time. When the exam is successfully completed,

the student then must develop and have a dissertation proposal approved before the student is officially admitted to candidacy for the Ph.D. degree.

Doctoral Dissertation

Upon admission to candidacy, a dissertation committee is established which consists of three members of the faculty, some of whom may be from the guidance committee, one of whom must hold his or her primary appointment outside the School of Gerontology.

The dissertation committee has responsibility for providing guidance and consultation during the research process, approving the

dissertation, conducting the final oral examination, and recommending the candidate for the Ph.D. degree. The doctoral dissertation should make original contribution to the development of knowledge and theory in gerontology and public policy.

Final Oral Examination

Upon approval of the final draft of the dissertation by all members of the dissertation committee, the candidate must pass a final oral examination. Upon successful completion of this final examination, the committee recommends the candidate to the Graduate School for award of the Ph.D. degree.

Courses of Instruction

GERONTOLOGY (GERO)

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

200 Gerontology: The Science of Adult Development (4, FaSp) This gateway course highlights the many disciplines that examine aging issues: biology, psychology, sociology and public policy. Career paths in gerontology.

210 Biology of Adult Development (4, FaSpSm) Processes underlying human aging, from cellular mechanisms to organ systems; how basic research is applied to understand health, disease, and vitality throughout the lifespan.

215 Nutrition and Health for a Lifetime (4) Through an introduction to concepts and analytical thinking in the biological and nutritional sciences, this course investigates and evaluates recent information on major health risks during adulthood.

284 Caring for Aging Family Members (2) Common psycho-social and health care concerns of family caregivers; includes discussion on long-term care, mental health, and filial relationships in late life.

310 Physiology of Aging (4, Fa) Effects of normative aging processes on homeostatic mechanisms and how these changes relate to development of disorder and disease in later life. Lecture and discussion. *Prerequisite:* BISC 112L or BISC 113L.

320 Psychology of Adult Development (4, FaSp) How psychologists study thinking, memory, emotions, personality, and behavior, and how people change in these throughout adulthood to old age. (Duplicates credit in former GERO 220.) *Recommended preparation:* PSYC 100.

330 Society and Adult Development (4, FaSp) How social relationships affect adults of different ages; the changing contract across generations; interaction of culture, race, family and social values with adult development. (Duplicates credit in former GERO 230.)

340 Policy, Values, and Power in an Aging Society (4, FaSp) How Americans' political values affect public policy. Studies of landmark legislation to explore the social contract between generations and role of governments in social welfare. (Duplicates credit in former GERO 240.)

350 Administrative Problems in Aging (2 or 4, Fa) Analysis of the skills, approaches and issues involved in the planning, development, and implementation of programs directed at meeting the needs of older persons.

380m Diversity in Aging (4) Exploring diversity in the older population and variability in the human aging process.

385 Transitions in Adulthood (2 or 4, Sp) An exploration of the critical issues and transitions in the adult years, including careers, relationships, parenthood, and major turning points for personal development.

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

402 Housing for the Elderly: Policy, Programs and Design (2) An overview of housing policies, programs, and design for the elderly, including analysis and evaluation of past, current, and proposed government programs.

411L Physiology, Nutrition, and Aging (2 or 4) Explores nutritional needs and the physiological, psychological, and sociological relationships to nutrition. Laboratory experiments in assessment and evaluation.

412L Exercise and Aging: Principles and Programs (2 or 4) Physiological, psychological, and sociological aspects of exercise. Laboratory involvement in assessment and evaluation of fitness.

414 Neurobiology of Aging (4, Fa) Age-related changes in nervous system structure and function; relationship of brain changes to changes in cognitive function and perception; Alzheimer's and Parkinson's diseases. Lecture and discussion. *Prerequisite:* BISC 107L or BISC 117L.

415 Neuroaffective Disorders of Aging (4, Sp) Methods of studying, evaluating, and treating cognitive, psychiatric, and behavioral problems associated with medical conditions of old age.

416 Health Issues in Aging (4, Sp) Physiological, psychological, and social health problems of older people; organizational factors in health care delivery.

421 Managed Care for an Aging Society (4, FaSp) Examines key legislation, policies, practice, and outcomes of managed care and how population aging affects health care delivery.

423 Psychological Development through Autobiography (2, Sm) Introduction to autobiography as a source of individual psychological development, with emphasis on integration of cognitive, emotional, and decision processes.

433 Ethnicity and Aging (2 or 4) Examination of the characteristics and needs of various ethnic and minority aging groups and how government and other social institutions can respond to them.

435m Women and Aging: Psychological, Social and Political Implications (4) Problems and resources of the middle-aged and older woman in a changing society; including discrimination, stereotypes, employment, social interaction, etc.

437 Social and Psychological Aspects of Death and Dying (2 or 4, FaSp) Introduction and critical survey of the current issues, concepts, and research of the social and psychological aspects of death and dying.

438 Biomedical Aspects of Death and Dying (4) Biological foundations of death and dying. Examination of clinical problems and outcomes in the use of advanced medical technologies at the end of life.

440 Biodemography of Aging (4, Sp) Consideration of the biological and social-cultural factors that govern the evolution of life spans and the life of humans and selected animal models. *Prerequisite:* BISC 112; *recommended preparation:* statistics.

444 Pre-Retirement Planning (2 or 4, Sm) An investigation of basic issues related to pre-retirement and planning techniques commonly employed by labor, business, education, etc.

451 Policy and Program Development in Aging (4, Fa) Policy trends and changing roles of local, state, and federal agencies in planning, managing, and evaluating programs in comprehensive, coordinated systems of service for older persons.

452 Economic Issues and the Aged (2 or 4, Sp) Analysis of economic factors associated with the aged; implications for individuals, society, and the economy; life-cycle economics, retirement, income maintenance, and social security.

475 Ethical Issues in Geriatric Health Care (4) Biomedical ethical issues that are encountered in working with geriatric patients. Examination of ethical theory and the application of theory to clinical settings.

480 Case Management of the Frail Elderly: Clinical Perspectives (2) Overview of case management: definitions, funding sources, terminology, client typology, history, ethical issues, staffing patterns, and its role in the continuum-of-care system.

481 Case Management for Older Adults (4, Fa) Overview of the concepts, characteristics, skills, and clinical issues of case management in a variety of settings serving older persons.

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

491 Gerontology Practicum (2-8, max 8, FaSpSm) Supervised experience in one or more community agencies that serve older adults. Graded CR/NC.

492 Senior Seminar in Aging (4, Fa) An in-depth integration of major themes in scientific and professional gerontology, leading to the preparation of the senior paper.

495 Practicum in Geriatric Care (4, FaSpSm) Supervised experience in a geriatric health care setting which allows students to put theories and ideas into practice. Graded CR/NC. Lecture, discussion, and field work.

496 Introduction to Clinical Geriatrics (4) Medical problems of older adults emphasizing common geriatric syndromes, chronic illness, and alternative approaches to primary health care of older persons and their families. *Prerequisite:* BISC 107L or BISC 117L; *recommended preparation:* upper division standing.

499 Special Topics (2-4, max 8, FaSpSm) Examination of special topics in the area of gerontology.

500 Perspectives on Aging: An Introduction (4) A web based course analyzing physical, mental, and social age-related changes as well as implications of population aging trends for individuals and society.

506 Environmental Aspects of Aging (2 or 4) Investigation of design criteria conducive to maximum utilization of private housing, public facilities, and transportation by older adults.

510 Physiology of Development and Aging (4, Sp) Examination of lifespan physiology of human development, growth, and aging; major emphasis in the physiology of the later years and implications for health maintenance.

513 Stress, Health, and Aging (2 or 4) A presentation of the importance of controlling stressful interaction. Aging is accelerated by stress induced disorders of regulation such as high blood pressure and arteriosclerosis.

519 Biological Processes and Aging (2 or 4) Theories of the biology of aging and the effects of age on functional integrity of the total organism.

520 Life Span Developmental Psychology (2 or 4, FaSm) Behavior from adulthood to old age; study of major components of behavior such as perception, cognitive processes, personality, intergenerational relationships, sexuality, and life styles.

522 Counseling Older Adults and Their Families (2 or 4, Sp) Theory and application of assessment and intervention techniques with older adults and their families. Topics include: treatment modalities, psychopathology, ethical and legal issues, brain disorders.

529 Seminar in Psychological Aspects of Aging (2 or 4) Psychological changes in the later years; perception; sensory factors; intelligence and memory; psychophysiological measures; personality; psychopathology.

530 Life Span Developmental Sociology (4, Sp) Life span perspective on the sociological theories of marriage and the family, intergenerational relationships, work and retirement, and other forms of social organization.

540 Social Policy and Aging (4, Fa) Major legislation and programs; examination and analysis of policy-making and political processes affecting development and implementation of programs for older persons.

543 Continuum of Care: Systems Perspective (4) Structural and organizational aspects of institutional and community programs; public policies, fiscal management, regulation, administration; obstacles to interagency coordination; the continuum of care.

545 Prevention, Rehabilitation, and Health Promotion (2) Illnesses and etiology associated with aging; prevention, rehabilitation, exercise, nutrition; health promotion through stress management; cultural characteristics and related illnesses.

546 Health Assessment and Client Management for the Elderly (2) Methods and problems in measuring health status; multidimensional assessments in research and practice; approaches to multi-disciplinary care in residential and community settings.

550 Administration and System Management in Programs for Older Adults (4, Sp) Application of theories of administration and system management to public and volunteer programs and services for older adults including residential institutions and community programs.

551 Applied Policy Skills in Aging (4, Sp) An overview and application of techniques and approaches used in the definition and analysis of policy problems in aging. *Prerequisite:* GERO 540.

552 Advanced Policy Seminar in Aging (4, Fa) Through an intensive seminar experience, students explore the policy making process in aging from the perspectives of decision makers in public and private sectors. *Prerequisite:* GERO 551.

554 Program Evaluation (2 or 4) Development of criteria for evaluating federal, state, and local policy planning and service delivery in aging.

555 Integrating Gerontology: A Multidisciplinary Approach (4, Sp) Aging (commonalities and distinctions) as addressed by biologists, psychologists, and sociologists. Topics include research perspectives, normative aging, functional decline and disability, and aging and society.

556 Program Development (2 or 4) Principles and procedures of assessing needs, collecting resources, designing activities, and implementing programs for older people in a variety of community and institutional settings.

561 Education for the Older Adult (2 or 4) Educational characteristics and needs of older adults; recent developments and trends; development of curricula, methods, and materials for educational programs for older adults.

562 Curriculum Development in Gerontology (2 or 4) Preparation for introduction of gerontology in many disciplines at various educational levels. Available literature and abstracts; concepts and issues; educational techniques, tools, and alternative approaches.

570 Corporate Policies and Aging (4, Sp) An introduction to the evolving roles of corporations in an aging society including such topics as retaining older workers, retiree benefits, and the mature consumer.

573 Research and Evaluation of Health Services Related to the Elderly (2) Current research in planning, organizing, delivering, and evaluating health services; research methods related to health service delivery; preparation of research proposals.

580 Life Span Transitions and Crises (2 or 4, Sp) Examination of the crisis points in the age continuum in terms of their effect on behavior and adjustment to the environment.

585 The Aging Family (2 or 4, Sm) Family processes and structure in families with aged persons will be reviewed, including marital and family therapy and intervention strategies.

589 Professional Issues in Gerontology (4, Fa) An introduction to the concepts, attitudes, values, knowledge, skills, and ethical issues upon which professional practice in gerontology is based.

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.

591z Field Practicum (2-12, FaSpSm) Supervised experiential learning in one or more organizations that serve older adults; includes a regularly scheduled seminar. Graded IP/CR/NC.

592 Multidisciplinary Research Seminar in Aging (2, max 8, FaSp) Multidisciplinary perspectives on current research in gerontology, including physiology, neurobiology, health and medicine, psychology, sociology, and public policy. Topics will change each semester.

593 Research Methods (4, Fa) An introduction to research methods and their application to gerontology including problem formation, research design, data collection, descriptive and analytic statistics, interpretation, and report preparation.

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

599 Special Topics (2-4, max 8, FaSpSm) Examination of special topics in the area of gerontological study.

610 The Aging Society (4, Sp) The interaction of demographic and economic processes, with emphasis on how the contemporary nature of these interactions influence public policy response to an aging population.

628 Theories of Aging (4) An examination of the nature and adequacy of existing explanations of aging. Focus will be on psychological, sociological, and biological paradigms, and on the epistemology of theory.

640 Data Analysis Strategies (4, Fa) Hands-on experience in developing and testing hypotheses using various types of databases, data management and analysis strategies and written presentation of findings. *Prerequisite:* GERO 593.

645 Politics and Policy Processes in an Aging Society (4, Fa) Dynamics of the policy-making process in the context of aging policy in the United States; focus on the political system and its social dynamics.

650ab Advanced Seminar in Policy and Aging (2-2, Fa) Seminar topics will change each semester to reflect such policy areas as health, income-maintenance, mental health, and federal-state interactions.

655 Economic Foundations of Aging Policy (4, Sp) Economic consequences of population aging and the economic status of the aged; emphases include life-cycle economics and policies shaping retirement, income, and expenditure patterns.

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.

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