



Alberta Centre
on Aging

University of Alberta Aging-Related Courses

2005-2006

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INTRODUCTION

This listing has been compiled by the Alberta Centre on Aging to assist individuals in the identification of aging-related courses at the University of Alberta. Undergraduate and graduate-level courses are listed by Faculty.

Information provided on each course includes:

- the course number and title;
- the credit hours (indicated by * followed by the number of hours);
- the 2005/06 scheduling;
- a brief description; and,
- restrictions such as prerequisites and enrollment in a specific program.

The extent of aging-related content in each course varies. The department should be contacted regarding specific course content and for other courses in which students can focus on aging issues in their assignments. As scheduling changes occur, students are advised to consult the most recent course information, available on-line at: <https://www.beartracks.ualberta.ca>

AGRICULTURAL, FORESTRY AND HOME ECONOMICS

Agricultural, Food and Nutritional Science

NU FS 356 Nutrition Across the Lifespan *3

Offered

Winter 2006

A lecture course that examines the understanding of how nutrients act on a cellular, tissue and whole organism level to influence human growth, development and aging. *Students cannot obtain credit in both NU FS 356 and 456. Prerequisite: *3 of NUTR 301, 303 or NU FS 305.*

Human Ecology

HECOL 212 Later Life Families *3

Offered Winter

2006

An exploration of the interpersonal, personal and physical needs of the aging family throughout the later stages of the family life cycle.

HECOL 322 Family Economic Issues *3

Offered Winter

2006

An examination of current issues affecting the economic well-being of Canadian families and of government programs and policies which address those issues. Issues explored include poverty, work and family, the economics of aging, children and money and intrafamily allocation of resources.

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Prerequisites: ECON 101 and ECON 102, or completion of an approved economics module available from the Department of Human Ecology.

HECOL 414 Seniors and Their Environments *3
offered 2005/06

Not

An introduction to the environments in which older people live. The course uses an ecological framework to study the symbolic, physical, interpersonal, community and political environments of Canadian seniors. *Prerequisite: HECOL 100 or consent of Instructor.*

Agricultural, Forestry and Home Economics (Continued)

Human Ecology (Continued)

HECOL 604 Fundamentals of Aging *3
2006

Offered Winter

A critical analysis of the issues and environments that influence the lives of older Canadians. Focus is on theories and knowledge about age-related normative and non-normative changes and their interaction with the physical, social, community and policy environments of older adults.

HECOL 615 Families and Aging *3
2005

Offered Fall

Current issues in mid- and later-life families including relationships between aging parents and adult children, grandparent relationships, family caregiving. *Credit will only be granted for one of FAM 615 or HECOL 615.*

ARTS

Anthropology

ANTHR 110 Gender, Age, and Culture *3
Spring 2005 & Fall 2005

Offered

An anthropological review and comparison of cultures in terms of social positions based on differences in sex and age.

Sociology

SOC 375 Sociology of Aging *3
2005 & Fall 2005

Offered Spring

Aging as a social and cultural phenomenon. Includes aging in relation to the self-concept, family, religion, politics, health, retirement and leisure, housing, attitudes toward death, with particular emphasis on Canadian society. *Prerequisite: One of SOC 100 or 300.*

SOC 452 Mortality and Population Health *3
2006

Offered Winter

Analysis of variations, trends and patterns of human mortality and morbidity in historical and contemporary contexts; comparisons of the experiences of Canada, other industrialized nations and developing countries with respect to causes of death and illness; demographic aspects of aging and its relationship to morbidity and mortality health surveys and policies. *Prerequisite: SOC 251.*

SOC 473 Sociology of Death and Dying *3
2005, Fall 2005, & Winter 2006

Offered Spring

Comparative examination of death and dying in socio-cultural contexts, including theoretical and methodological issues. *Prerequisite: SOC 241, 261, or 375.*

SOC 475 Advanced Sociology of Aging *3
2006

Offered Winter

In-depth examination of selected theoretical approaches, methodological issues, and topics of substantive concern in the study of aging and the aged. *Prerequisite: SOC 375.*

Arts (Continued)

Sociology (Continued)

SOC 675 Seminar in the Sociology of Aging *3
2006

Offered Winter

This seminar will examine the sociology of aging from local (Alberta,) global, cultural, demographic, policy, and social constructionist perspectives. Unifying themes are the social demography of population aging and the social construction of individual and population aging.

ARTS AND SCIENCE

Psychology

PSYCO 459 Human Aging: Cognitive Processes *3

Offered Winter 2006

A survey of the sensory, perceptual, memory, and cognitive changes in normal aging. Topics may include the relationship of psychological, environmental, social and health factors to cognitive processes. *Prerequisites: PSYCO 258 and a 300-level Psychology course.*

PSYCO 622 Research Issues and Methods in Lifespan Development

Offered Winter 2006

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This course focuses on research issues and methods pertinent to the study change (i.e., development and aging) during any phase of the life span. The topic of "research issues" includes research planning, proposals, representation, grants and funding, collaborations, and authorship. The topic of "research methods" includes measurement, principal time-structured research designs, issues in data collection and management, developmental research with special populations, and both quantitative and qualitative perspectives. It is a research methods, but not a statistics, course. *Open to Psychology graduate students and others by permission.*

MEDICINE AND DENTISTRY

Dentistry

D HYG 345 Geriatrics *1

Offered Winter 2006

An introductory course describing the needs of the elderly. Examines the changing population balance in Canada involving both medical and dental aspects of people over sixty years of age. *Open only to students registered in the DDS program. Taught in conjunction with DDS 547 Lec B1.*

DDS 506 Gastroenterology and Nutrition *5

Offered Fall 2005

An integrated course covering nutrition, gastrointestinal physiology, pathophysiology and anatomy. Related surgical, paediatric and geriatric topics will also be addressed. *Open only to students registered in the DDS program.*

Medicine and Dentistry (Continued)

Dentistry (Continued)

DDS 547 Geriatrics *1

Offered Winter 2006

An introductory course describing the needs of the elderly. The course will examine the changing population balance in Canada involving both medical and dental aspects of people over 60 years of age. *Open only to students registered in the DDS program. Taught in conjunction with D HYG 345 Lec B1.*

Medicine

MED 521 Gastroenterology and Nutrition *5

Offered Fall 2005

An integrated course covering nutrition, gastrointestinal physiology, pathophysiology and anatomy. Related surgical, paediatric and geriatric topics will also be addressed. *Open only to students registered in the MD program. Consent of Department or Faculty required to register.*

MED 555 Geriatrics Student Internship *2***Offered Fall 2005 & Winter 2006***

Student internship in Geriatrics for students registered in the MD Program. *Credit will not be granted for both MED 545 and 555. Consent of Department or Faculty required to register.*

Neurology**NEURO 410 Neurobiology of Aging & Neurodegenerative Disorders *3*****Offered Winter******2006***

Designed to provide senior undergraduate and graduate students in the Neuroscience program a comprehensive overview of the neurobiology of normal aging and neurodegenerative disorders. Both clinical and basic science aspects of major neurodegenerative disorders such as Alzheimer's disease, Parkinson's disease, Huntington disease, Prion disease and Motor neuron disease (ALS) will be covered. Video presentations of patients with neurodegenerative disorders will be presented to add clinical and psychological dimensions. Additionally, recent papers reporting new developments in each of the above disorders will be discussed. Invited lectures will be given by national/international experts on aspects of neurodegenerative disorders to amplify topics covered in the course.

Prerequisites: PMCOL 371.

NURSING

NURS 191 Nursing Practice I *5***Offered Winter 2006***

Beginning nursing practice with a focus on health promotion and interaction with clients across the life span in a variety of non-traditional settings. *Prerequisites: NURS 190 and 194.*

NURS 195 Nursing Practice II *6***Offered Winter 2006***

Practice includes health status assessment of clients and appropriate health promotion and disease prevention interventions. Practice occurs in settings where clients live or in community agencies (non-acute) where services to clients are offered. *Prerequisites: NURS 190 and 194.*

NURS 510 Advanced Health Assessment and Applied**Pathophysiology (Adult) *4*****Not offered 2005/06***

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The focus of this course is on developing advanced assessment skills for diagnostic reasoning and clinical decision making in relation to common variations in the health status of adults. Students will focus on specialized assessment and applied pathophysiology in relation to specific adult populations. Opportunities to apply diagnostic reasoning skills and formulate clinical decisions required for the development of specific health care management strategies is provided through seminars, laboratory practice, and a clinical practicum in a range of health care settings.

NURS 542 Living with Chronicity: Issues and Concepts *3

Offered Winter 2006

Students explore how persons with a chronic disease or disability and their families adapt to live with this disease or disability, how society influences that adaptation, and how that adaptation affects the integration of persons with a chronic disease or disability into society. Frameworks consistent with a health promotion perspective will also be examined.

NURS 545 Pharmacotherapeutics in Advanced Nursing Practice *3

Offered Winter 2006

Graduate seminar on the principles of clinical pharmacology and their relevance to the promotion of health across the lifespan through advanced nursing practice. The psychotropics will be used as a model for the clinical application of these principles. Focus will be on the selection, prescription, and management of pharmacotherapy as adjunct to advanced nursing practice. Simulated and actual patient situations will be used to stimulate discussion and provide students with an opportunity to apply the basic principles of clinical pharmacology.

NURS 560 End-of-Life Care in Canada *3

Offered Spring 2005

Interdisciplinary course exploring end-of-life care in Canada. Includes identifying demographic and other variables associated with mortality, the most common causes of death, and social and cultural influences on death and dying. The primary focus of this course, is gaining or improving the understanding of end-of-life care needs of persons and their families and the health system and health professional responses to date in regard to recognizing and addressing these needs. Throughout this course, naturalist and health promotion perspectives on dying will be contrasted with the prevailing illness orientation toward death and dying.

Nursing (Continued)

NURS 565 Selected Topics in Individual Family Health

Nursing (Adult) *1-12 (variable)

Offered Fall 2005 & Winter

2006

Selected topics in a variety of advanced nursing practice specialty areas for case management of adults and their family in complex health care situations are emphasized. The role of the advanced practice nurse is examined from the perspective of assessing, managing, monitoring, coordinating, and evaluating health status over time. Sections with a practicum component provide opportunities to assist adults and their family within the context of the health care team. *Prerequisite: Consent of Instructor. Restricted to students in the Faculty of Nursing.*

NURS 570 Advanced Therapeutics and Applied Pathophysiology

(Adult) *4

Offered Winter 2006

The focus of this course is acquisition of knowledge and skills essential for clinical decision making for management of the individual and their family in various health care situations. Opportunities are provided to implement and evaluate preventative and therapeutic interventions, as well as health promotion strategies. Appropriate community, agency, and treatment resources that may assist in managing emergent to chronic health care situations are utilized. *Prerequisite: NURS 510; pre- or corequisite NURS 545. Restricted to students in the Faculty of Nursing.*

NURS 580 Advanced Theory and Practicum in Individual/

Family Health Nursing (Adult) *6

Offered Spring 2005

The focus of this course is to provide a culminating practicum experience in the role of the advanced practice nurse in the student's selected specialty area. Integration of theory and research in relation to practice is facilitated by course seminars. Opportunity is provided to discuss issues relevant to the advanced nursing practice role. *Prerequisite: NURS 570.*

NURS 582 Advanced Theory and Practicum in Community/

Public Health Nursing *4

Offered Fall 2005 & Winter 2006

The focus of this course is practice of advanced nursing skills in community/public health nursing with a selected population related to program and policy development, program evaluation, and/or knowledge utilization. *Prerequisite: NURS 531.*

PHYSICAL EDUCATION AND RECREATION

PEDS 385 Physical Activity and the Aging Adult *3

Offered Winter 2006

An examination of the role of physical activity on the health and lifestyle of aging adults. Note: PEDS 385 was formerly PEDS 484. Credit will only be granted for one of these courses. *Restricted to BPE, BSc(Kin), and BPE/BEd students. Other students should contact the Faculty of Physical Education & Recreation no sooner than one week prior to the beginning of classes to see if space is available.*

Physical Education and Recreation (Continued)

PEDS 485 Educational Gerontology in Physical Activity,

Fitness, and Sport *3

Offered Fall 2005

The study and practical application of the principles of educational gerontology. Involves students in the analysis and instruction of older adults in a variety of sport, fitness, and physical activity settings.

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Focus is on the issues and challenges of instruction in two populations: (1) aged, frail adults and (2) elderly, athletic adults. Note: PEDS 485 was formerly PEDS 384. Credit will be granted for only one of these courses. *Restricted to BPE, BSc(Kin), and BPE/BEd students. Other students should contact the Faculty of Physical Education & Recreation no sooner than one week prior to the beginning of classes to see if space is available.*

PEDS 545 Exercise Oncology *3***Offered Winter 2006***

An overview of the potential role of physical exercise in cancer prevention and control. Specifically, physical exercise is examined for purposes related to cancer prevention, coping, rehabilitation, palliation and survival. A multidisciplinary perspective draws on kinesiology, oncology, epidemiology, psychology, rehabilitation medicine and palliative care.

PERLS 544 Aging, Health and Active Living *3***Offered Fall 2005***

An exploration of the benefits and risks of late-life physical activity, as well as life course barriers and incentives to health promotion through active living. The course will examine theoretical explanations for sedentary leisure of older adults through a critical review of the interdisciplinary gerontological literature. *Restricted to degree students in the Faculty of Physical Education and Recreation. Other students should contact the Faculty no sooner than one week prior to the beginning of classes to see if space is available.*

REHABILITATION MEDICINE**Occupational Therapy****OCCTH 414 Core 4: Advanced Application of Occupational Principles****Across the Lifespan *6*****Offered Fall*****2005**

Application of occupational therapy principles and evidence-based practice, focusing on children and older adults using a lifespan approach, current theories, and complex integrated case studies.

Prerequisites: OCCTH 310, 328. Corequisites: REHAB 419, 455. Restricted to Occupational Therapy students.

Rehabilitation Medicine (Continued)**Physical Therapy**

PTHER 546 Neurology I *6**Offered Fall 2005**

Introduction to the theory and application of physical therapy in neurology with children and adults. Areas of practice will include assessment, intervention, outcome evaluation, therapeutic exercise, electrophysical agents, and evidence-based skills. These clinical skills will be integrated into the context of practice with relevant issues in research application, measurement and evaluation.

Prerequisites: PThER 539, 542 and 544. Corequisite: PThER 547 and REHAB 455. Restricted to students in the BSc, Physical Therapy program.

PTHER 547 Movement Across the Lifespan *2**Offered Fall 2005**

An examination of typical motor development and how movement changes across the lifespan. The interactive effects of the task, environment and age-related changes in postural control, the musculoskeletal system and the cardiorespiratory systems will be explored. Students will apply this knowledge of movement to prevalent age-related conditions treated by physical therapists. *Restricted to Physical Therapy students.*

Speech Pathology and Audiology**SPA 520 Adult Language Disorders I *3****Offered Winter 2006**

Study of acquired aphasia including the nature of the underlying neuropathologies, methods of differential diagnosis and comprehensive assessment, and clinically-pertinent behavioral management strategies. Students will develop their understanding of the course material via a series of clinical problem solving and treatment planning exercises. *Prerequisite: SPA 502 or equivalent. Restricted to MSc-SLP students.*

SPA 521 Dysphagia *1.5**Offered Summer****2005**

This course will provide an overview of the anatomical and neurophysiological bases of normal and abnormal feeding and swallowing in adults and children. Structural and neurological conditions commonly associated with dysphagia will be reviewed. A framework of interdisciplinary assessment and management of dysphagia will be provided. *Prerequisite: SPA 502 or equivalent. Restricted to MSc-SLP students.*

SPA 529 Adult Language Disorders II *3**Offered Fall 2005**

Study of conditions (other than aphasia) affecting language, social, and cognitive functioning in adults, including traumatic brain injury, dementia, and right hemisphere dysfunction, and issues related to the aging process. Nature of underlying neuropathologies and their implications for differential diagnosis, assessment, and management will be addressed. *Prerequisite: SPA 520. Restricted to MSc-SLP students.*