



# University of Calgary Aging-Related Courses

**2008-2009**



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## INTRODUCTION

This listing has been compiled by the Alberta Centre on Aging in collaboration with faculty from the University of Calgary. The intent is to assist individuals in the identification of aging-related courses at the University of Calgary. Undergraduate and graduate-level courses are listed by Faculty.

Information provided on each course includes:

- the course number and title;
- the 2008/09 scheduling;
- a brief description; and,
- restrictions such as prerequisites or 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:

<http://wcm2.ucalgary.ca/prospectivestudents/>

## COMMUNITY REHABILITATION AND DISABILITY STUDIES

### Community Rehabilitation

#### **CORE 209 Disability in Theory and Everyday Life**

***Offered Fall 2007***

Life span exploration of theory, research directions, and lifeworks of those affected by disability.

#### **CORE 301.02 Adult Onset Disabling Conditions (On-Line)**

***Not offered 2007/08***

This course explores the relationship and integration between anatomy and physiology and adult onset disabling conditions within the context of community rehabilitation practice. *Prerequisite: Consent of Community Rehabilitation Studies. Not included in GPA.*

#### **CORE 301.03 Disabling Conditions Associated with Aging (On-Line)**

***Not offered 2007/08***

This course will facilitate the understanding of the relationships between anatomy and physiology, and disabling conditions associated with aging in the context of community rehabilitation. *Prerequisite: Consent of Community Rehabilitation Studies. Not included in GPA.*

#### **CORE 307.1 Life Span Approach to Disabling Conditions (On-Line)**

***Not offered 2007/08***

An online inquiry course exploring the interaction between disabling conditions and the social context when disabilities occur.

## **Community Rehabilitation and Disability Studies (Continued)**

### **Community Rehabilitation (Continued)**

**CORE 475 Community Rehabilitation Practice  
and the Aging Process**

*Offered Fall 2007*

Theoretical and practical issues as they relate to rehabilitation and community services for seniors with disabilities.

**CORE 603.04 Foundations of Disability, Community  
and Rehabilitation Studies**

*Offered Spring 2008*

In-depth study of theory and practice in Community Rehabilitation domains.

## **KINESIOLOGY**

**KNES 355 Human Growth and Development**

*Offered Winter 2008*

The physiological, anatomical, emotional and social changes in human growth and development, with a view to the planning, and selection of appropriate programs in physical education, sport, and dance. *Prerequisite: Kinesiology 261. Prerequisite or Co-requisite: Zoology 363.*

**KNES 367 Adapted Physical Activities**

*Offered Fall 2007*

An examination of specific problems within the psychomotor domain and the related delivery systems for their identification and amelioration. *Prerequisite: Kinesiology 261.*

**KNES 369 Physical Activity, Health, and Aging**

*Offered Winter 2008*

Aging and its impact on neuromotor performance, fitness, health, and patterns of participation in physical activity and recreational pursuits. *Prerequisite: Kinesiology 355*

**KNES 495 Physiological Aspects of Aging, Disease, and  
Physical Activity**

*Offered Fall 2007*

An examination of the interaction between aging, age-associated disease (e.g., cardiovascular disease) and physical activity. The major emphasis will be on the physiological processes involved. *Prerequisites: Kinesiology 355 and 473.*

## **MEDICINE**

**MDCN 412 Human Development**

*Offered Winter 2008*

The normal development, including behavioural, health problems and care requirements of the infant and child. The response of health care delivery systems to the physical and psychological needs of the family. Physical and psychological aspects of the aging process and the challenge to health care systems posed by health problems of the elderly.

## **Medicine (Continued)**

### **MDSC 645.08 Health Services for the Elderly**

***Not offered 2007/08***

Demographic changes; epidemiology of aging; the organization and utilization of services along a continuum of care with specific reference to Alberta; planning for services; manpower and educational issues; review of relevant research. *Prerequisite: Consent of Instructor.*

### **MDSC 683.02 Biochemistry and Molecular Biology of Cancer Module 3: Cell Cycle in Aging and Cancer**

***Not offered 2007/08***

Basic mechanisms of cell cycle regulation as they relate to the processes of replicative senescence (cell aging) and tumorigenesis. The Hayflick limit, telomere dynamics and tumour suppressor function are examined. *Prerequisite: Consent of the Faculty.*

## **NURSING**

### **NURS 405 Issues in Professional Practice**

***Offered Fall 2007 & Winter 2008***

The nursing role related to the dynamics of the nursing profession and the health care system; nursing and contemporary health issues. *Prerequisites: Nursing 301/302/303/305.*

### **NURS 502 Senior Clinical Practicum**

***Offered Summer 2008***

Synthesis, application and further acquisition of knowledge, skills, and attitudes in a selected nursing practice setting. Emphasis on complexity of nursing care with clients (individuals, families and/or aggregates). Selection of focus area will be made through consultation with faculty. *Prerequisites: Nursing 406 (BNRT students only) and current CPR Basic Cardiac Life Support. Co-requisite: Nursing 501.*

### **NURS 511 Introduction to Music and Sound for the Helping Professions (On-Line)**

***Offered 2008?***

Survey of recently developed applications of music and sound to integrative health care including traditional music therapy, voice therapy, sonic entrainment, and cross-cultural traditions in the use of music and sound for holistic care. *Prerequisite: Permission of the Faculty.*

## **SOCIAL SCIENCES**

### **Psychology**

In addition to the courses listed below, the Department of Psychology offers independent research/conference courses at the honours and graduate levels in the area of aging. Students should consult the Department concerning topics and recommended preparation for a given session.

## **Social Sciences (Continued)**

### **Psychology (Continued)**

#### **PSYC 353 Psychology of Aging**

***Offered Winter 2008***

Examines theory and research related to psychological processes during adulthood and aging. Topics may include life-span developmental theories and methods; biological processes; sensory, perceptual and cognitive processes; personality and social processes; life transitions, mental health issues; and dying. *Prerequisites: Psychology 205 or equivalent.*

#### **PSYC 369 Sensation and Perception**

***Offered Winter 2008***

The psychological and physiological bases of sensory and perceptual processes, including vision, audition, taste, smell, touch, proprioception, and basic psychophysics. Provides a background for advanced courses in sensory and perceptual processing, human factors, and environmental psychology. *Prerequisites: Psychology 205 or equivalent. Not open to students with credit in Psychology 469 or Psychology 471.*

#### **PSYC 455 Sensory, Perceptual, and Cognitive Aspects of Aging**

***Not offered 2007/08***

Basic research and contemporary issues in the age-related changes in sensation, perception, attention, learning and memory, intelligence, and problem-solving. *Prerequisites: Psychology 312 and 353.*

#### **PSYC 457 Social and Clinical Aspects of Aging**

***Not offered 2007/08***

Stability and change in the later years of life with a focus on social and clinical areas of aging. *Prerequisites: Psychology 312 and 353.*

#### **PSYC 469 Vision**

***Offered Fall 2007***

A systematic examination of vision and its role in our interaction with the natural environment. Topics may include: the physics of light; optics; eye and retina; visual pathways and visual brain; perception of color, space, change, and motion; visual development and aging; art and vision; visual disorders; and recovery from blindness. *Prerequisites: Psychology 312 and 369.*

#### **PSYC 511.12 Psychology of Aging**

***Not offered 2007/08***

This seminar will be a survey of classic work and recent developments in gerontology. Specific emphasis will be placed on both basic and applied research sensation, perception, cognition and intelligence. *Prerequisites: Psychology 312 and consent of the Department. Restricted to students in the Psychology Honours Program.*

#### **PSYC 625.01 Advanced Topics in Developmental Psychology and Aging**

***Not offered 2007/08***

This seminar will be a survey of classic work and recent developments in gerontology. Specific emphasis will be placed on both basic and applied research sensation, perception, cognition and intelligence. *Prerequisite: Consent of the Department.*

## **Social Sciences (Continued)**

### **Sociology**

#### **SOCI 371 Sociology of Families**

**Offered Summer 2008**

Structure and functions of the family, family systems, sociology of family life stages (such as childhood, adolescence, adulthood, old age), contemporary trends and problems of the family. *Prerequisites: Sociology 201 or consent of the Department.*

#### **SOCI 373 Sociology of Aging**

**Offered Spring 2008**

Social and institutional factors associated with aging in modern society. *Prerequisites: Sociology 201 or consent of the Department.*

## **SOCIAL WORK**

The Faculty of Social Work offers a graduate gerontology concentration. The following excerpt is from the Master's of Social Work Program Guide (2004, p. 8):

*The Gerontology concentration emphasizes the development of knowledge and skills associated with the practice of social work with and on behalf of older adults. This concentration prepares social work students for specialization in the field of aging, with an emphasis on viewing aging issues within the perspective of the life course.*

*Students admitted into the Gerontology concentration take a Social Policy course examining selected areas of social gerontological policy that reflect the current issues facing social workers working with older adults. Two Special Topic seminars in areas such as Health and Aging and Advanced Social Work Practice with Older Adults are required. Students taking a two year MSW design their foundation practicum to provide a basic grounding in gerontological social work practice, with exposure to various programs, policies and practice modalities. For one-year MSW students and for students in their Specialization year of the two-year MSW, the practicum focuses on areas such as dementia care, mental health, planning and administration, palliative care, home care, and community development.*

For more information on the gerontology concentration, please contact the Faculty of Social Work.

#### **SOWK 367 Human Behaviour and the Environments**

**Offered Fall 2007**

Examines perspectives on human behaviour within multiple environments across the lifespan from a social work practice framework.

#### **SOWK 553.03 Social Gerontology**

**Not offered 2007/08**

This course is designed to provide foundation knowledge about social gerontology and social work practice with older adults. Content includes myths and stereotypes, demographic trends, service delivery approaches, practice models, program and policy analysis, caregiving, theories of aging, and accessing bibliographic and Internet information, with specific reference to Canada and Alberta.

## **Social Work (Continued)**

### **SOWK 665 Social Policy (L02)**

**Offered Summer 2008**

An exploration of social welfare policy, structures and programs within a chosen specialization or concentration within the context of examining the impact of oppression on populations-at-risk.

### **SOWK 679.03 Health and Aging**

**Offered Spring 2008**

This course examines the interface between health and aging. It examines issues related to the impact of health, health promotion, and health prevention on the aging population. The focus of this course is on the development of a healthy aging community.

### **SOWK 696 Advanced Practicum**

**Offered Summer 2008**

Direct and indirect Social Work practice opportunities with professional supervision in students' area of specialization or concentration. *Prerequisites: Consent of the Faculty. Co-requisites: Social Work 697. Note: Not open to students with credit in Social Work 687, 688 or 689. Not included in GPA.*

### **SOWK 699.04 Advanced Social Work Practice With Adults**

**Offered Fall 2007**

This course will examine advanced social work practice methods for the elderly. A range of theoretical perspectives will be examined within a framework of the social and psychological dimensions of phenomena that impact the elderly, their families and their social contexts.