

# Colorado State University

## **COMBINED MPH/DVM PROGRAM MPH Elective Courses Available at CSU**

The following graduate courses are currently offered at Colorado State University (CSU), and may be taken to fulfill elective course requirements in MPH Program. Completion of the degree program requires a core of 27 required courses and a choice of 10 hours of electives that enable the student, in consultation with a faculty adviser, to plan an individual course of study that is responsive to the student's needs and interests.

### **Methodology**

**ERHS 532 03(2-0-1). Epidemiologic Methods.** F. Prerequisite: EHCC 307/STCC 307.

Method of epidemiologic investigation and study design. Applications to disease control with literature examples.

**ERHS 542 03(3-0-0). Biostatistical Methods for Qualitative Data.** F. Prerequisite: EHCC 307/STCC 301 or STCC 307.

Statistical analysis of categorical data as obtained in epidemiology, toxicology, occupational health, and clinical sciences.

**ERHS 544/ST 544 03(3-0-0). Biostatistical Methods for Quantitative Data.** S. Prerequisite: EHCC 307/STCC 307 or STCC 301. Credit not allowed for both EH 544 and ST 544.

Regression and analysis of variance methods applied to both observational studies and designed experiments in the biological sciences.

**ERHS 547 03(0-6-0). Equipment and Instrumentation.** S. Prerequisite: EH 446.

Sample collection, quality control, theory and application of equipment and instrumentation for analysis and confirmation of organic-inorganic chemicals.

**HD 600D 03(3-0-0). Advanced Studies.** F, S, SS. Prerequisite: Six credits in behavioral sciences, HD 550 or concurrent registration.

Program planning and evaluation.

**S 612 03(0-0-3). Seminar in Methods of Evaluational Research.** S. Prerequisite: S 511.

Quantitative and qualitative techniques of evaluating social action programs.

**OT 650 03(3-0-0). Research Methods I.** F. Prerequisite: Admission to M.S. program or written consent of instructor.

Quantitative and qualitative research methodologies as applied in occupational therapy.

**JT 614 03(3-0-0). Public Communication Campaigns.** F. Prerequisite: JT 501 or written consent of instructor.

Conceptual, methodological issues and decisions underpinning determination of communication campaign effects, planning, implementation, and evaluation.

## **Theory**

### **EX 556 03(3-0-0). Wellness and Health Promotion Concepts. F.**

Discussion of theory and application of health promotion in various settings.

### **FN 525 02(2-0-0). Nutrition Education Theories and Practice. F. Prerequisite: FN 350.**

Examination of current theories, skills, and models used in nutrition education programs as preparation for research and practice.

### **OT 606 02(0-0-2). Occupation and the Individual. F. Prerequisite: Admission to program or written consent of instructor.**

Exploration and study of human occupation and activity, humans as occupational beings, health and well-being across the life span.

## **Families and Human Development**

### **HD 612 03(3-0-0). Adolescent Development. F. Prerequisite: One course in adolescence, three credits of upper-division behavioral science.**

Classical and contemporary theory; review of research related to major developmental processes.

### **HD 600E 03(3-0-0). Advanced Studies. F, S, SS. Prerequisite: Six credits in behavioral sciences.**

Parenting.

### **FN 660 02(2-0-0). Women's Issues in Lifecycle Nutrition. F. Prerequisite: FN 459 or written consent of instructor.**

Current nutritional issues related to selected stages of lifecycle compared to normal adult nutritional needs.

## **Community**

### **ERHS 533/\*MB 533 03(2-0-1). Epidemiology of Infectious Diseases/ Zoonoses. S. Prerequisite: MB 300. Credit not allowed for both EH 533 and MB 533.**

Epidemiologic features of infectious and parasitic diseases that have a major impact on community medicine.

### **FN 620 02(2-0-0). Advanced Community Nutrition. S. Prerequisite: FN 350; concurrent registration in FN 686.**

Community nutrition assessment; nutrition program planning and evaluation, nutrition policy analysis.

**S 630 03(3-0-0). Social Stratification.** S. Prerequisite: S 500.

Theory and research on class structure, status attainment, ideology, and social change.

**S 660 03(3-0-0). Theories and Issues in Developmental Change.** F. Prerequisite: S 500.

Central concepts, issues, and approaches in sociology of development.

**S 667 03(1-0-2). Theories of State, Economy, and Society.** S. Prerequisite: S 500.

Major classical and contemporary sociological theories of state-economy-society relations emphasizing development.

**ERHS 520 03(1-0-2). Environmental and Occupational Health Issues.** F. Prerequisite: BZ110 or LIFE 102; CHEM 245 or 341 or 345.

Issues relating to environmental health problem definition, evaluation, and control using interdisciplinary focus.

**ERHS 648 03(3-0-0). Environmental Health Risk Assessment.** S. Prerequisite: EH 446, EH 520.

Environmental contamination and health effects of chemicals using risk assessment, management, and communication approaches.

**ERHS 658 03(2-0-1). Environmental/Occupational Epidemiology.** S. Prerequisite: EH 532.

Epidemiologic analyses of effects of exposure to environmental and occupational health hazards.

### **Policy**

**SW 520 03(3-0-0). Social Welfare Policy Analysis.** F. Prerequisite: Eighteen credits of socio/behavioral sciences.

Historical concept analysis and impact of social welfare policy.

**SW 633 02(0-0-2). Advanced Social Welfare Policy Analysis.** S. Prerequisite: SW 520.

Application of social welfare policy analysis models; normative aspects of policy analysis and assessment skills.

**S 662 03(0-0-3). Seminar in Sociological Policy Analysis.** S. Prerequisite: S 500.

Examination of sociological perspectives on formulation and impact of policies to deal with social problems.

**OT 608 03(3-0-0). Occupational Therapy Process.** F. Corequisite: Concurrent registration in OT 609.

Professional reasoning and skills associated with the design and delivery of occupational therapy services.

### **Other**

**EX 545 03(3-0-0). Evolutionary Basis for Health and Fitness.** S. Prerequisite: EX 403, FN 350.

Evolutionary basis for human health and fitness based upon dietary and exercise patterns of pre-agricultural humans.

**EX 560/FN 560 03(3-0-0). Exercise and Nutrition.** S. Prerequisite: EX 403, FN 350, undergraduate biochemistry course. Credit not allowed for both EX 560 and FN 560.

Interaction of nutrition and physical fitness in exercise performance and promotion of health.

**EX 610 03(3-0-0). Exercise Bioenergetics.** F. Prerequisite: Undergraduate course in biochemistry and undergraduate course in exercise physiology.

Biology of energy transfer reactions related to human locomotion and exercise performance in both healthy individuals and disease states.

**EX 656 03(3-0-0). Comprehensive Stress Management.** F, S, SS.

Relationship between stress and illness emphasizing methods to impact its detrimental effects.