

# HUMAN NUTRITIONAL SCIENCES (HNSC)

## HNSC 7070 Advanced Problems in Foods 3 cr

Selected topics related to consumer acceptability of foods.

## HNSC 7110 Advanced Problems in Nutrition 3 cr

Studies of selected problems and programs in community nutrition emphasizing program planning and evaluation.

## HNSC 7200 Seminar in Food and Nutrition Research 3 cr

A critical study of selected topics in food and nutrition research involving oral presentations and discussions. This is a required course for all M.Sc. students in the department of Foods and Nutrition.

**Mutually Exclusive:** FOOD 7770

## HNSC 7440 Protein Nutrition and Metabolism 1.5 cr

Lectures and critical reviews will be used to discuss recent/significant research advances in the fields of protein nutrition and metabolism, pertinent to mammalian physiology. Also offered as ANSC 7440 by the Department of Animal Science.

**Equiv To:** ANSC 7440

## HNSC 7450 Energy and Carbohydrate Nutrition and Metabolism 1.5 cr

Lectures and critical reviews will be used to discuss recent/significant research advances in the field of energy/carbohydrate nutrition and metabolism, pertinent to mammalian physiology. Also offered as ANSC 7450 by the Department of Animal Science.

**Equiv To:** ANSC 7450

## HNSC 7460 Lipid Nutrition and Metabolism 1.5 cr

Lectures and critical reviews will be used to discuss recent/significant research advances in the field of lipid nutrition and metabolism, pertinent to mammalian physiology. Also offered as ANSC 7460 by the Department of Animal Science.

**Equiv To:** ANSC 7460

## HNSC 7470 Vitamin Nutrition and Metabolism 1.5 cr

Lectures and critical reviews will be used to discuss recent/significant research advances in the field of vitamin nutrition and metabolism, pertinent to mammalian physiology. Also offered as ANSC 7470 by the Department of Animal Science.

**Equiv To:** ANSC 7470

## HNSC 7480 Mineral and Trace Element Nutrition and Metabolism 1.5 cr

Lectures and critical reviews will be used to discuss recent/significant research advances in the field of mineral nutrition and metabolism, pertinent to mammalian physiology. Also offered as ANSC 7480 by the Department of Animal Science.

**Equiv To:** ANSC 7480

## HNSC 7490 Phytochemical Nutrition and Metabolism 1.5 cr

Lectures and critical reviews will be used to discuss recent/significant research advances in the field of phytochemical nutrition and metabolism, pertinent to mammalian physiology. Also offered as ANSC 7490 by the Department of Animal Science.

**Equiv To:** ANSC 7490

## HNSC 7500 Chemistry and Function of Food Lipids 1.5 cr

Lectures and critical reviews will be used to discuss recent/significant research advances in the field of food lipid development, processing, analysis and function.

## HNSC 7510 Flavour Chemistry and Sensory Properties of Foods 1.5 cr

Lectures and critical reviews will be used to discuss recent/significant research advances in the field of food flavour and off-flavour chemistry and in the mechanics of sensory assessment.

## HNSC 7520 Nutraceuticals in Human Health 1.5 cr

Lectures and critical reviews will be used to discuss recent/significant research advances in the field of nutraceuticals and the impact of food and raw materials on nutrition and human health.

## HNSC 7530 Nutrition in Public Policy 1.5 cr

Focus on public policy related to the nutrition and health status of Canadians, including food and nutrition policies, health public policy, influence of trade regulations, context of health systems, social and economic environments.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: permission of instructor

## HNSC 7540 Nutritional Epidemiology 1.5 cr

Focus on epidemiology principles and survey techniques for assessing and predicting individual nutritional status, assessing relevant community resources and reporting results to granting agencies and decision makers.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: permission of instructor

## HNSC 7560 Current Topics in Human Nutrition 1.5 cr

Lectures and critical reviews will be used to discuss recent/significant research advances in nutrition and foods research.

## HNSC 7570 Theoretical Approaches to Dietary Change Intervention 1.5 cr

Theoretical approaches to dietary behaviour change and critical analysis of their application in nutrition intervention programs for individuals and populations.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: permission of instructor

## HNSC 7700 Applied Human Nutrition Practicum 1 6 cr

Practicum placements, and approved, dietetics-related in partial fulfillment of the Integrated Competencies for Dietetic Education and Practice. Restricted to students in the MAHN program. Course graded pass/fail.

## HNSC 7710 Applied Human Nutrition Practicum 2 6 cr

Practicum placements, and approved, dietetics-related in partial fulfillment of the Integrated Competencies for Dietetic Education and Practice. Restricted to students in the MAHN program.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Pre-requisite: HNSC 7700. Course graded pass/fail.

## HNSC 7720 Applied Human Nutrition Practicum 3 6 cr

Practicum placements, and approved, dietetics-related in partial fulfillment of the Integrated Competencies for Dietetic Education and Practice. Restricted to students in the MAHN program.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Pre-requisite: HNSC 7710. Course graded pass/fail.

## HNSC 7730 Advanced Applied Human Nutrition 1 3 cr

Lectures and critical reviews in topics related to the dietetics profession, embedded in nutrition care, food provision and population health promotion. Emphasis will be placed on addressing issues impacting nutritional health of indigenous communities. Restricted to students in the MAHN program. Co-requisite with HNSC 7700.

**HNSC 7740 Advanced Applied Human Nutrition 2 3 cr**

Lectures and critical reviews in topics related to the dietetics profession, embedded in nutrition care, food provision and population health promotion. Emphasis will be placed on knowledge related to sustainable food systems and linkage to nutritional health. This course will develop from concepts positioned in HNSC 7730. Restricted to students in the MAHN program. Pre-requisite HNSC 7730; Corequisite with HNSC 7710.

**HNSC 7750 Advanced Applied Human Nutrition 3 3 cr**

Lectures and critical reviews in topics related to the dietetics profession, embedded in nutrition care, food provision and population health promotion. Emphasis will be placed on the development of leadership and advocacy skills. This course will develop from concepts positioned in HNSC 7740. restricted to students in the MAHN program. Pre-requisite HNSC 7740; Co-requisite with HNSC 7720.

**HNSC 7760 Practice-Based Dietetics Research 3 cr**

A practice-based research project relevant to dietetic practice, conducted within a collaborative model.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: Restricted to students in the MAHN program.