

## Resource Specialization Courses Overview

The purpose of these informational documents is to help GRS students choose courses that would be of interest for their resource specialization. This is an overview of current courses, although they may change in the future. The most updated information can be found on the UBC course website:

<https://courses.students.ubc.ca>

\*\* Undergraduate students are sometimes able to take graduate level courses with special permission. Please ask.

### **Global Health Specialization**

Last updated: November 2019

<u>Course Number</u>	<u>Course Name</u>	<u>Description</u>
ANTH 210	Eating Culture	An anthropological exploration of how the collection, cultivation and consumption of food shapes human society and culture.
ANTH 428	Medicine, Technology, Culture and Society	A medical anthropological perspective on medical science, technology, translational research, and clinical practice, in laboratory, clinic, family, social, and cultural contexts. Topics include explanatory models of health, acute and chronic illness, disability; social and cultural dimensions genetics; clinical interaction.
BIOL 153	Human Biology	The principles of biology with particular reference to the human body (anatomy and physiology).
CAPS 301	Human Physiology	Organ systems function with particular reference to mammalian and human physiology.
CHEM 341	Global Challenges: A Chemical Perspective	Importance of chemistry in society. Detailed case studies drawn from modern chemistry: human health, energy, commodity chemicals, materials, green chemistry, agriculture.
ECED 401	Supporting Young Children's Health and Well-Being in Early Childhood Settings	N/A

ECON 210	Microeconomic Policy	A survey of policy issues, such as regulation, taxation, environmental and resource policy, health care, education and income distribution. May not be taken for credit by students with fourth-year standing.
ECON 234	Wealth and Poverty of Nations	Historical approaches to long-run economic growth; international comparisons of income growth and inequality; colonialism; evolution of world capital markets; human migrations; rise of world trading empires; instability in the international economy. Credit will be granted for only one of ECON 234 or former ECON 334 (6). May not be taken for credit by students with fourth-year standing.
ECON 255	Understanding Globalization	Social and economic implications for both rich and poor countries of lowered barriers to the international flows of information, capital, labour and goods. May not be taken for credit by students with fourth-year standing.
ECON 317	Poverty and inequality	Economic inequality in Canada and other countries; measurement and causes. Inequality in the distribution of wealth; redistribution of income and wealth; notions of distributive justice.
FMST 210	Family Context of Human Development	The influence of family dynamics and social conditions on human development.
FNH 200	Exploring Our Food	Chemical and physical properties of foods; issues pertaining to safety, nutritive value and consumer acceptability; government regulations pertaining to food safety, quality and additives; preservation techniques and transformation of agricultural commodities to food products; foods of the future.
FNH 250	Nutrition Concepts and Controversies	Fundamental concepts and principles of human nutrition applied to current nutrition issues. Credit can only be obtained for 1 of FNH 250 or FNH 255.
FNH 313	Microorganisms in Food Systems	Microorganisms of importance in safety, spoilage and preservation of foods; factors affecting growth, survival and inactivation of microorganisms in fermented food systems; food processing plant cleaning and sanitation.
FNH 340	Food Theory	Principles of food preparation based on the physical and chemical properties of food

FNH 341	Food Theory Applications	Experimental and practical application of scientific principles and theories to problems of food preparation. Note: Course registrants are required to possess a Foodsafe I certificate.
FNH 342	Critical Perspectives on Consumer Food Practices	Personal, collective, and policy factors affecting food choices, including perceptions of healthy eating, gender, identity, family structures, and economic, sociocultural, and political forces.
FNH 350	Fundamentals of Nutrition	Fundamentals of energy and macronutrient metabolism.
FNH 351	Vitamins, Minerals, and Health	Vitamin and mineral nutrition and their role in maintaining and promoting health.
FNH 355	International Nutrition	Conceptualization and scientific analyses of global problems in food and nutrition; complexities of food habits and malnutrition in various cultures around the world.
FNH 370	Nutrition Assessment	The use of dietary, anthropometric, biochemical, and related information for the assessment of nutritional status of individuals and populations.
FNH 371	Human Nutrition Over the Life Span	Nutritional requirements and dietary patterns of healthy individuals throughout the life span.
FNH 398	Research Methods in Human Nutrition	Process of research; principles and processes in utilizing research. Restricted to students in majors in the FNH program.
FNH 402	Functional Foods and Nutraceuticals	Functional food and nutraceutical concepts related to ingredient safety and quality; examples of nutrient-disease relationships, requirements for standards of efficacy for health claims; market determinants of functional food and nutraceutical industries.
FNH 415	Business Concepts in Food, Nutrition and Health	Introduction to and application of business activities in food, nutrition, and health settings. Credit will only be granted for only one of FNH 415, FOOD 515, or FRE 515.
FNH 451	Nutrient Metabolism and Implications for Health	Integration of nutrient and energy metabolism on a whole-body and individual tissue basis and the implication for health. Emphasis will be on regulation of nutrient metabolism.
FNH 455	Applied International Nutrition	Applying nutrition concepts and principles in addressing problems of malnutrition and food insecurity in international settings. Basics of developing culturally acceptable, sustainable

		nutrition intervention programs.
FNH 472	Maternal and Fetal Nutrition	Metabolic adaptations, nutrient metabolism, and special issues during pregnancy that may influence the maternal-fetal nutritional supply.
FNH 473	Applied Public Health Nutrition	Theory and methods in public health nutrition and health promotion program planning to assess, plan, implement, and evaluate nutrition-related programs for communities and populations. Considers factors affecting behavior and the social determinants of health.
FNH 474	Sport Nutrition	Nutritional needs of athletes, including energy, carbohydrate and protein; hydration; pre-and post-event nutrition, weight management and body composition issues; ergogenic aids; sports-specific guidelines; and special athlete populations.
FNH 477	Nutrition and Disease Prevention	Evidence-based examination of the role of nutrition in the prevention of chronic disease.
FNH 490	Topics in Food, Nutrition, and Health	Analysis and interpretation of current issues in food, nutrition and health.
FRE 306	Introduction to Global Food Markets	An overview of global food markets including recent trends (e.g., vertical coordination, strategic alliances, multinationals and small firms in niche markets), marketing and trade institutions such as state-trading enterprises and WTO regulations, issues specific to developing nations, and case studies.
FRE 340	International Agricultural Development	Characteristics, processes and sources of economic growth, role of agricultural and resource sectors in economic growth, analysis of output and input markets in those sectors, policy failures, tools for empirical analysis of rural markets, growth, and the environment.
FRE 460	Economics of Food Consumption	Microeconomics of consumer decisions and public policy in food contexts; foodborne illness; economic causes and consequences of obesity; sin taxes and prohibitions; information campaigns and advertising; labeling; food waste and ethics.

GRSJ 305	Social Justice Issues in Community and International Organizing	Critical examination and practical applications of concepts, theories, methods, and strategies of gender-aware organizing at the community and international levels.
GRSJ 310	Issues in Gender and Health	Interdisciplinary introduction to gender and health issues using selected theoretical frameworks.
KIN 261	Health Policy and Society	Health policy and the social context in relation to active health.
KIN 425	Aging, Health and the Body	The sociology of aging and the body. Focus on how older adults perceive and experience health and illness.
KIN 464	Health Promotion and Physical Activity	Current perspectives on health promotion and health education; design and implementation of health promotion strategies in a variety of arenas, particularly health promotion/education strategies aimed at encouraging physical activity.
KIN 465	Interculturalism, Health, and Physical Activity	Examination of multiculturalism and interculturalism in the delivery of community-based physical activities for diverse populations; connections between physical activity and health in different cultural contexts. Community service learning and participation in culturally unfamiliar physical activities are core elements.
MIDW 215	Ethics in Maternity Care	Ethics using ethical theory in health care and midwifery.
MIDW 360	Global Maternal Infant Health	Social and economic determinants of maternal and fetal health worldwide, innovative public health strategies to reducing maternal and infant mortality and morbidity, and the impact of conflict on the health of mothers and babies. Ethical considerations related to global clinical placements and medical tourism. Theoretical course in preparation for global clinical placement. Pass/Fail.
PHIL 333	Bio-Medical Ethics	Moral problems arising in the health sciences, especially in medicine but also in biology, psychology, and social work. Topics include abortion, death and euthanasia, genetic engineering, behaviour modification, compulsory treatment, experimentation with human beings and animals, and the relationship between professionals and their patients, subjects

		or clients. No philosophical background is required.
POLI 309	Canadian Perspectives on Human Rights	Key issues in the theory and practice of human rights in Canada. Topics will vary from year to year.
POLI 373	Ethics in World Politics	When is it right to wage war? Who should pay for global warming? Should the wealthy provide foreign aid- how much? Analysis of traditions of moral thought to reach reasoned judgments about such dilemmas in global politics.
POLI 374A	International Peacekeeping	The development of peacekeeping within and outside the United Nations system and as an instrument of conflict management.
PSYC 307	Cultural Psychology	Cultural influences on human thought and behaviour; interactions of culture and self; multicultural experiences; intercultural relations; methodological issues.
PSYC 314	Health Psychology	Health-related behaviours such as smoking and drug use; effects of stressful events on health; methods for coping with stress; impact of chronic illness on the family; social support systems.
PSYC 501**	Biological Basis of Health Psychology	n/a
SOCI 423	Sociology of Food	Cultural, economic, and political aspects of food production and consumption, including connections to class, ethnicity, and gender. Food-related social movements will be included.
SOCI 479A	Social Determinants of Health	Relationships between social phenomena (e.g., personal beliefs, lifestyle practices, social support, socio-economic status, social class, gender, and ethnicity) and the health of human populations.
SPHA 510**	Canadian Health Policy and the Healthcare System	Analysis of topical Canadian health policy issues including an historical overview of the health care system, health care funding, public / private financing, health care personnel and pharmaceutical policy challenges.
SPHA 511**	Government, Business and Health	N/A

	Care Policy	
SPHA 556**	Social Determinants of Health	Health planning and delivery models based on population health frameworks.
SPHA 557**	Quality of Health Care	Current concepts, methods, and applications in health care quality assessment and improvement.
SPHA 562**	Health Care Law	N/A
SPHA 563**	Ethics and Ethical Decision Making in Health Care	N/A
SPPH 300	Working in International Health	This is a tutored, web based Interprofessional Health and Human Service (IHHS) course on planning/preparing for work in a developing country. Causes of ill health amongst populations living in poverty; analysis of available solutions. Health Science background not essential. Credit will be granted for only one of SPPH 300 or IHHS 300.
SPPH 302	Topics in Health Informatics for Health/Life Sciences Students	Interprofessional Health and Human Service (IHHS) course. Credit will be granted for only one of SPPH 302 or IHHS 302.
SPPH 400	Statistics for Health Research	Planned collection, numeric and graphic summarization, and elementary statistical analysis of data. Examples primarily from health sciences illustrate standard techniques for parametric and non-parametric hypothesis testing; regression and correlation; contingency tables. Also randomization, "blindfolding" and other specifically biomedical topics in statistics. Class size may be limited.
SPPH 410	Improving Public Health: An Interprofessional Approach to Designing and Implementing Effective Interventions	This Interprofessional Health and Human Service (IHHS) course promotes collaborating interprofessionally. Each student team will identify and research a critical public health issue, and develop a detailed practical and effective intervention. Intended for students in health and human service programs. Credit will be granted for only one of SPPH 410 or IHHS 410.

SPPH 481C	Special Topics in Population and Public Health – PRISON HEALTH	Selected topics will vary. Multiple versions may be taken. This course takes an interprofessional approach and population/public health perspective in addressing current issues in healthcare and health-related fields.
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Other Grad courses that you might be able to take if given permission:

- SPPH 515 Surveillance and Monitoring in Public Health
- SPPH 522 Topics in Environmental Health
- SPPH 523 Global Health and Human Security
- SPPH 525 Issues and Concepts in Public Health
- SPPH 526 Leadership in Public Health
- SPPH 527 Social Determinants of Health
- SPPH 531 Health Care Systems Analysis
- SPPH 533 Toxicology and Public Health
- SPPH 534 Occupational Health and Illness Processes
- SPPH 535 Principles of Occupational and Environmental Hygiene
- SPPH 536 Aboriginal People and Public Health: Ethics, Policy, and Practice
- SPPH 537 Perinatal Epidemiology
- SPPH 540 Program Planning and Evaluation
- SPPH 541 Economic Evaluation
- SPPH 542 Canadian Health Policy
- SPPH 543 Health Technology Assessment for Health Policy
- SPPH 545 Community Health Promotion
- SPPH 547 Health Care Priority Setting
- SPPH 550 Public Health Approaches to Substance Use and Addictions
- SPPH 555 Principles and Practices of Injury Prevention
- SPPH 562 Chemical and Biological Hazard Measurement

SPPH 563	Technical Aspects of Chemical and Biological Hazard Control
SPPH 566	Occupational Hygiene Practice
SPPH 567	Quantitative Methods for the Assessment and Analysis of Exposure Data
SPPH 571	Public Health, Transportation, and the Built Environment
SPPH 581A	Selected Topics - STAT COMPUTNG R
SPPH 581C	Selected Topics - DATA ANALYSIS
SPPH 581I	Selected Topics - MORBIDITY
SPPH 581J	Selected Topics - GLOBAL HEALTH
SPPH 581K	Selected Topics - WRK GLBAL HEALTH
SPPH 581L	Selected Topics - CHILD HLTH DVLP
SPPH 581N	Selected Topics - KNOWLDGE TRNSLTN
SPPH 581P	Selected Topics - HLTH ECONOMICS 1
SPPH 581Q	Selected Topics - ADV ECONMIC EVAL
SPPH 581R	Selected Topics - PED NTR PUB HLTH
SPPH 581S	Selected Topics - RISK&COMMUNCATN
SPPH 598	Occupational and Environmental Hygiene Project

Previously available courses (may be available again in the future):

ANTH 227	Introduction to Medical Anthropology
ANTH 425	Nutritional Archaeology
ANTH 429	Global Health in Cross-Cultural Contexts
APBI 414	Animals and Global Issues
ECON 335	Fertility, Families and Human Migration
GPP 583	Food Security
ISCI 350	Darwinian Medicine

KIN 103	Active Health
KIN 469	Chronic Health Issues, Physical Activity, and Community Practice
POLI 461	Peace and Conflict Studies
PSYC 404	Psychology of Religion
SOCI 444	Sociology of Aging
SOCI 484B	Sociology of Health and Illness
SPHA 532**	Health Economics
SPPH 200	Understanding the Sociocultural Determinants of the Health of Populations
SPPH 406	Aging from an Interdisciplinary Perspective
SPPH 411	Violence Across the Lifespan
SPPH 481A	Special Topics in Population and Public Health – DH RESRCH MTHODS
SPPH 481B	Special Topics in Population and Public Health – PUBLC HLTH ETHCS

Can't find what you want?

Every year, there are different student directed seminars offered on various topics. If there is none for your very specific interests, you can make your own course! For more information, please see:

<http://leap.ubc.ca/get-conscious/study-global-issues/student-directed-seminars/>