

REVIEW OF COURSES: FOUNDATIONAL KNOWLEDGE CONTENT AREA AND LEVEL OF COGNITIVE COMPLEXITY				
				<b>Level of Cognitive Complexity</b> 1 = Demonstrate broad knowledge 2 = Demonstrate comprehension 3 = Analyze, interpret and apply knowledge
	CONTENT AREA	COGNITIVE COMPLEXITY LEVEL REQUIREMENT	COGNITIVE COMPLEXITY LEVEL ACHIEVED	COURSE NUMBER AND NAME
<b>1. Anatomy and Physiology</b>				
a	Structure of the human body at the macro and cellular level	2	1 2 2 1	BIOL 1813 BIOL 2813 NUTR 4523 CHEM 2713/2773
b	Role, function and regulation of the integumentary, musculo-skeletal, nervous, endocrine, cardio-respiratory, urinary, lymphatic and digestive systems in health and disease	2	2 2 2 1 1	BIOL 2813 BIOL 2823 NUTR 4523 NUTR 4533 NUTR 4553
c	Homeostasis including fluid-electrolyte and acid-base balance	2	1 1 2 1 2 2 1 2 2	CHEM 1013 CHEM 1023 CHEM 2513 BIOL 1813 BIOL 2813 BIOL 2823 NUTR 1323 NUTR 3723 NUTR 4523
d	Genetics and nutrigenomics	1	1 1 2	BIOL 1813 NUTR 1313 NUTR 3723
<b>2. Biochemistry</b>				
a	Foundations of chemistry and biochemistry	2	1 1 2 2 3	CHEM 1023 CHEM 1023 CHEM 2513 CHEM 2713/2773 NUTR 4523
b	Major metabolic pathways	2	1 2	BIOL 2813 NUTR 4523
c	Foundations of cellular and molecular biology	2	1 1 2	BIOI 2813 BIOL 2823 CHEM 2713/2773
d	Mechanisms of metabolic regulation	2	1 1 2 2 3	BIOL 2813 BIOL 2823 CHEM 2513 CHEM 2713/2773 NUTR 4523
<b>3. Communication</b>				
a	Opportunities for and barriers to communication	2	2 3	NUTR 3713 NUTR 4533
b	Communication channels and techniques, and their appropriate usage	2	2	NUTR 3713
c	Strategies for effective written communication	3	2 3 3 2 3	NUTR 1333 NUTR 3553 NUTR 3713 NUTR 3723 NUTR 4223
d	Strategies for effective oral communication	3	2 3 3	NUTR 1333 NUTR 3553 NUTR 3713
e	Strategies for effective interpersonal communication	3	2 3 2	NUTR 1333 NUTR 3713 NUTR 3723
f	Medical and dietetics-related terminology	2	2 2 2	NUTR 3723 NUTR 4533 NUTR 4553
<b>4. Counselling</b>				
a	Counselling theories	2	2	NUTR 3543
b	Counselling strategies and techniques	2	2 2 2 2	NUTR 3543 NUTR 3713 NUTR 4533 NUTR 4553
c	Counselling processes	2	2 2	NUTR 3543 NUTR 3713
<b>5. Food</b>				
a	Physical properties and chemical composition of food	2	2 2 2 3 2 2	NUTR 1333 NUTR 1343 NUTR 2333 NUTR 4733 CHEM 2513 CHEM 2713/2773
b	Food preservation, storage and packaging	1	1 1 1 1	NUTR 1333 NUTR 1343 NUTR 2333 NUTR 4733 CHEM 2513
c	The role of ingredients and their interaction in food preparation	3	3 3 3 3 2	NUTR 1333 NUTR 1343 NUTR 2333 NUTR 4733 CHEM 2513

d	Household food preparation	3	3 3	NUTR 1333 NUTR 1343
e	Application of dietary requirements, guidelines, and guidance tools to food planning	3	3 3	NUTR 1313 NUTR 4013
f	Food modification to address therapeutic, textural or other needs	2	2 2 2 2	NUTR 4013 NUTR 4223 NUTR 4553 NUTR 4733
g	Sensory evaluation of food	3	1 2 3 3	NUTR 1333 NUTR 1343 NUTR 4013 NUTR 4223
h	Religious and cultural food practices	2	2 2 2	NUTR 2323 NUTR 3713 NUTR 4013 NUTR 4223
i	Food labelling	2	2 1 2 2	NUTR 1313 NUTR 1333 NUTR 1343 NUTR 4013
j	Food-borne illness	2	2 2 2	NUTR 1333 NUTR 1343 NUTR 4013
<b>6. Food Service Systems</b>				
a	Purchasing, receiving, storage, inventory control and disposal activities	2	2 2	NUTR 2333 NUTR 4023
b	Menu planning	3	3	NUTR 4013
c	Institutional menu modification to address therapeutic, textural, cultural or other needs	2	2	NUTR 4023
d	Recipe development, standardization and evaluation	3	3 3	NUTR 4013 NUTR 4023
e	Quantity food production and distribution	2	2 2 2	NUTR 4013 NUTR 4023 NUTR 4223
f	Cost control	2	2	NUTR 4013/4023
g	Human resource, financial, technical and equipment needs	2	2 2	NUTR 4013 NUTR 4023
h	Hazard analysis and critical control points (HACCP)	2	1 2 2	NUTR 1333 NUTR 4013 NUTR 4023
i	Food service facility design	1	1	NUTR 4023
j	Emergency planning	1	1	NUTR 4023
<b>7. Health System in Canada</b>				
a	Organization and delivery of care	1	1	NUTR 3723
b	Issues and trends	1	1 1	NUTR 3513 NUTR 3723
c	Influence of politics	1	1 2 1	NUTR 3513 NUTR 3553 NUTR 3723
<b>8. Human Nutrition across the Lifespan</b>				
a	Ingestion, digestion, absorption, metabolism and excretion of nutrients	3	3 3 2 2 3 3	NUTR 1313 NUTR 1323 BIOL 2813 BIOL 2823 NUTR 4523 NUTR 4533
b	Biochemical utilization of nutrients and energy	3	3 3 3 1 1 1	NUTR 1313 NUTR 1323 NUTR 4523 NUTR 4533 NUTR 4553 CHEM 2713/2773
c	Nutrient and energy requirements	3	3 3 3 3 3	NUTR 1313 NUTR 1323 NUTR 3723 NUTR 4533 NUTR 4553
d	Physical activity and energy balance	2	2 3 2 1	NUTR 1313 NUTR 1323 NUTR 3353 NUTR 4533
e	Nutrition recommendations and guidelines	3	3 3 1 1 1	NUTR1313 NUTR 3723 NUTR 4523 NUTR 4533 NUTR 4553
f	Effect of deficiencies and toxicities of nutrients	3	2 3 2 1 1	NUTR 1313 NUTR 1323 NUTR 4523 NUTR 4533 NUTR 4553
g	Food sources of nutrients and dietary supplements	3	2 3 1 2 2	NUTR 1313 NUTR 1323 NUTR 4523 NUTR 4533 NUTR 4553

h	Role of nutrients and other food components in health	3	3 3 1 2 2	NUTR 1313 NUTR 1323 NUTR 4523 NUTR 4533 NUTR 4553
i	Dietary practices	2	2 1 3 3	NUTR 2323 NUTR 4523 NUTR 4533 NUTR 4553
<b>9. Interprofessional Collaboration</b>				
a	Interprofessional communication	2	2 2 1 1	NUTR 3533 NUTR 3553 NUTR 4533 NUTR 4543
b	Patient / client / family /community-centred care	2	1 3 2 2	NUTR 3553 NUTR 3713 NUTR 4553 NUTR 4533
c	Interprofessional role clarification, including the role of the dietitian	2	3 2 2	NUTR 3553 NUTR 4553 NUTR 4533
d	Team functioning	2	2 2 2 2 2	NUTR 1333 NUTR 3513 NUTR 3543 NUTR 3553 NUTR 4023
e	Collaborative leadership	2	2 2	NUTR 3513 NUTR 3553
f	Interprofessional conflict resolution	2	2	NUTR 3553
<b>10. Management</b>				
a	Financial management	2	2 2	NUTR 4013 NUTR 4023
b	Human resource management	2	2	NUTR 4013
c	Strategic and operational planning including needs assessment, goal setting and outcome assessment	2	2	NUTR 4013
d	Organizational behaviour and development	2	2	NUTR 4023
e	Project management	2	2 2	NUTR 3513 NUTR 4013
f	Regulations, policies and procedures	1	1 2	NUTR 3553 NUTR 4023
g	Marketing	2	2 2 2	NUTR 4013 NUTR 4023 NUTR 4223
h	Quality improvement	2	2 2 2	NUTR 4013 NUTR 4023 NUTR 4223
<b>11. Microbiology</b>				
a	Classification of microbes	1	1	BIOL 2053
b	Microbes in food safety	2	2 2	BIOL 2053 NUTR 2333
c	Host-vector spread of infection and risk management	2	2 2	BIOL 2053 NUTR 4013
d	Microbes in food production including prebiotics and probiotics	1	1 2 1	BIOL 2053 NUTR 1313 NUTR 2333
e	Microbiome in human health	2	2 2	BIOL 2053 NUTR 1313
<b>12. Nutrition Assessment</b>				
a	Food and nutrient intake of individuals and populations	3	3 3 3	NUTR 1323 NUTR 3723 NUTR 3723
b	Environmental and individual factors affecting food intake	3	1 1 1	NUTR 4553 NUTR 4533 NUTR 4533
c	Anthropometric data collection and interpretation	3	3 2 2	NUTR 3723 NUTR 4553 NUTR 4533
d	Biochemical parameter interpretation	3	3 1 1	NUTR 3723 NUTR 4553 NUTR 4533
e	Clinical data collection and interpretation	3	3 2 2	NUTR 3723 NUTR 4553 NUTR 4533
f	Surveillance and monitoring data collection and interpretation	2	3	NUTR 3723
<b>13. Nutrition Care Process and Medical Nutrition Therapy</b>				
a	Etiology and pathophysiology of nutrition-related diseases	2	3 3	NUTR 4533 NUTR 4553
b	Nutrition-related disease management strategies	3	3 3	NUTR 4533 NUTR 4553
c	Use of assessment, diagnosis, intervention, monitoring, evaluation (ADIME) in medical nutrition therapy	3	3 1	NUTR 4533 NUTR 4553
d	Calculation of energy and nutrient requirements for conditions/diseases	3	3 1 3	NUTR 3723 NUTR 4553 NUTR 4533
e	Goal setting and outcome measurement in nutrition therapy	2	3 3	NUTR 4533 NUTR 4553
f	Oral, enteral, and parenteral nutrition support	2	3	NUTR 4553
g	Feeding assessment, including identification of chewing, swallowing and feeding problems	2	2 2	NUTR 4553 NUTR 3723

h	Complementary and alternative nutrition therapies	1	1 1	NUTR 4553 NUTR 4533
<b>14. Pharmacology</b>				
a	Drug classifications relevant to nutrition and their modes of action	1	1	NUTR 4533/4553
b	Common medication side effects and contraindications relevant to nutrition	1	2	NUTR 4533/4553
c	Drug-nutrient interactions	1	2	NUTR 4533/4553
d	Nutrients and nutraceuticals as pharmacological agents	1	1	NUTR 4533/4553
e	Natural health products	1	1	NUTR 1323
<b>15. Population Food Systems and Food Security</b>				
a	Food production, preparation, processing, distribution and waste management	1	1 2	NUTR 2323 NUTR 4023
b	Global and local food systems and factors affecting the supply of food	1	1	NUTR 2323
c	Sustainable food practices	1	1	NUTR 2323
d	Food markets and marketing of food	1	1	NUTR 2323
e	Factors affecting access to food	2	1 3	NUTR 2323 NUTR 3513
f	Disaster planning	1	1	NUTR 4023
g	Food consumption patterns and trends	2	2 2	NUTR 2323 NUTR 4223
<b>16. Professional Practice in Dietetics</b>				
a	Federal, provincial / territorial requirements	2	2	NUTR 3553
b	Practice in a regulated health profession	2	2	NUTR 3553
c	Ethical conduct	3	2 3	NUTR 3553 NUTR 4023
d	Reflective practice	2	2 2 3 2 2 1 2	NUTR 1343 NUTR 3513 NUTR 3543 NUTR 3553 NUTR 3713 NUTR 3723 NUTR 4903
e	Professional development	1	2 2	NUTR 3553 NUTR 4903
f	Decision making	2	2 3	NUTR 3553 NUTR 4903
g	Time and workload management	2	2 2 2 1	NUTR 3553 NUTR 3723 NUTR 3553 NUTR 4743
h	Role of research and new knowledge	2	2 3	NUTR 4743 NUTR 4903
i	Technological applications used in practice	1	1 3 3	NUTR 3713 NUTR 1343 NUTR 4903
j	Appropriate and secure documentation practices	2	2	NUTR 3553
k	Strategies for assessing and enhancing approaches to practice	1	1 1 3	NUTR 3553 NUTR 3553 NUTR 4903
l	Advocacy	1	1 3	NUTR 2323 NUTR 4903
<b>17. Public and Population Health</b>				
a	Frameworks for public and population health	2	3	NUTR 3513
b	Strategies for public and population health including health promotion, education, advocacy, community development and partnerships	2	3	NUTR 3513
c	Policies, standards and guidelines for public health nutrition	2	2	NUTR 3513
d	Values and philosophy of public and population health	2	3	NUTR 3513
e	Program planning in public and population health	2	3	NUTR 3513
f	The determinants of health	2	3	NUTR 3513
<b>18. Research and Evaluation</b>				
a	Theoretical foundations of research	2	2	NUTR 4743
b	Qualitative, quantitative and mixed methodologies	2	2 2	NUTR 4223 NUTR 4743
c	Ethics in research	2	2 2 2	NUTR 1313 NUTR 4223 NUTR 4743
d	Evidence-informed practice	2	2 2 2 3	NUTR 3543 NUTR 3713 NUTR 3723 NUTR 4903
e	Literature search strategies	2	2 2 2 2	NUTR 1313 NUTR 3543 NUTR 3713 NUTR 4743 NUTR 4903

f	Systematic review and critical appraisal of literature	2	3 2 2 2	NUTR 3713 NUTR 3723 NUTR 4743 NUTR 4903
g	Use of technology to seek and manage information	3	3 3 3	NUTR 3723 NUTR 3713 NUTR 4903
<b>19. Social and Psychological Foundations</b>				
a	Behavioural theories relevant to eating and food choice	2	2 2	NUTR 3543 NUTR 4223
b	Social and psychological aspects of eating and food choice, in health and disease	2	2 2 2 2 2	NUTR 2323 NUTR 3543 NUTR 3713 NUTR 3723 NUTR 4553 NUTR 4533
c	Relationship between mental health and nutrition	1	1	NUTR 3723
d	Social justice, diversity and equity in society	2	2 2 2	NUTR 2323 NUTR 3513 NUTR 3543
e	Cultural competence	2	2 1	NUTR 2323 NUTR 3553
<b>20. Teaching and Learning</b>				
			2	NUTR 3713
b	Strategies to assess teaching and learning needs	2	2	NUTR 3713
c	Development and assessment of learning outcomes	2	2 2	NUTR 3543 NUTR 3713
d	Strategies to address the teaching and learning needs of individuals and populations	2	2 2 2	NUTR 3513 NUTR 3543 NUTR 3713
e	Learning resource selection and development	2	2	NUTR 3713