

2012-2013 Graduate Calendar

The information published in this Graduate Calendar outlines the rules, regulations, curricula, programs and fees for the 2012-2013 academic years, including the Fall Semester 2012, the Winter Semester 2013 and the Summer Semester 2013.

For your convenience the Graduate Calendar is available in PDF format.

If you wish to link to the Graduate Calendar please refer to the Linking Guidelines.

The University is a full member of:

- The Association of Universities and Colleges of Canada

Contact Information:

University of Guelph
Guelph, Ontario, Canada
N1G 2W1

519-824-4120

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Disclaimer

The Office of Graduate Studies has attempted to ensure the accuracy of this on-line Graduate Calendar. However, the publication of information in this document does not bind the university to the provision of courses, programs, schedules of studies, fees, or facilities as listed herein.

Limitations

The University of Guelph reserves the right to change without notice any information contained in this calendar, including any rule or regulation pertaining to the standards for admission to, the requirements for the continuation of study in, and the requirements for the granting of degrees or diplomas in any or all of its programs.

The university will not be liable for any interruption in, or cancellation of, any academic activities as set forth in this calendar and related information where such interruption is caused by fire, strike, lock-out, inability to procure materials or trades, restrictive laws or governmental regulations, actions taken by the faculty, staff or students of the university or by others, civil unrest or disobedience, Public Health Emergencies, or any other cause of any kind beyond the reasonable control of the university.

The University of Guelph reaffirms section 1 of the Ontario Human Rights Code, 1981, which prohibits discrimination on the grounds of race, ancestry, place of origin, colour, ethnic origin, citizenship, creed, sex, sexual orientation, handicap, age, marital status or family status.

The university encourages applications from women, aboriginal peoples, visible minorities, persons with disabilities, and members of other under-represented groups.

Introduction

Collection, Use and Disclosure of Personal Information

Personal information is collected under the authority of the University of Guelph Act (1964), and in accordance with Ontario's Freedom of Information and Protection of Privacy Act (FIPPA) http://www.e-laws.gov.on.ca/DBLaws/Statutes/English/90f31_e.htm. This information is used by University officials in order to carry out their authorized academic and administrative responsibilities and also to establish a relationship for alumni and development purposes. Certain personal information is disclosed to external agencies, including the Ontario Universities Application Centre, the Ministry of Training, Colleges and Universities, and Statistics Canada, for statistical and planning purposes, and is disclosed to other individuals or organizations in accordance with the Office of Registrarial Services Departmental Policy on the Release of Student Information. For details on the use and disclosure of this information call the Office of Registrarial Services at the University at (519) 824-4120 or see <http://www.uoguelph.ca/registrar/registrar/index.cfm?index>.

Statistics Canada - Notification of Disclosure

For further information, please see Statistics Canada's web site at <http://www.statcan.gc.ca> and Section XIV Statistics Canada.

Address for University Communication

Depending on the nature and timing of the communication, the University may use one of these addresses to communicate with students. Students are, therefore, responsible for checking all of the following on a regular basis:

Email Address

The University issued email address is considered an official means of communication with the student and will be used for correspondence from the University. Students are responsible for monitoring their University-issued email account regularly.

Home Address

Students are responsible for maintaining a current mailing address with the University. Address changes can be made, in writing, through the Office of Graduate Studies.

Name Changes

The University of Guelph is committed to the integrity of its student records, therefore, each student is required to provide either on application for admission or on personal data forms required for registration, his/her complete, legal name. Any requests to change a name, by means of alteration, deletion, substitution or addition, must be accompanied by appropriate supporting documentation.

Student Confidentiality and Release of Student Information Policy Excerpt

The University undertakes to protect the privacy of each student and the confidentiality of his or her record. To this end the University shall refuse to disclose personal information to any person other than the individual to whom the information relates where disclosure would constitute an unjustified invasion of the personal privacy of that person or of any other individual. All members of the University community must respect the confidential nature of the student information which they acquire in the course of their work.

Complete policy at <http://www.uoguelph.ca/policies>.

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Family Relations and Applied Nutrition

The Department of Family Relations and Applied Nutrition offers MSc and PhD level graduate study in three fields:

- Applied Human Nutrition (MSc, PhD)
- Family Relations and Human Development (MSc, PhD)
- Couple and Family Therapy (MSc)

An accredited Master of Applied Nutrition (MAN) professional degree program is also offered. Current and prospective graduate students are also directed to the [department website](#). The inter-disciplinary faculty in the department have expertise in psychology, sociology, sexuality, adult development, education, social work, culture, family therapy, nutrition and physical activity. The overarching theme of the work in the department is enhancing lives through science and practice. The faculty share a common interest in expanding and applying knowledge about family relations and human development, especially in relation to the social, emotional, psychological, nutritional, and economic well-being of families across the life cycle. Graduate programs with an emphasis on nutrition and metabolism are available in the Department of Human Health and Nutritional Sciences; those with an emphasis on animal nutrition are available in the Department of Animal and Poultry Science.

Canadian Police Information Check

Various ministries within the Government of Ontario require that current criminal reference checks be completed for all students, volunteers and successful candidates for employment who care for, or provide service to, children or vulnerable adults. Students enrolled in practica or field placement courses will be required to submit to the agency with which they are placed, personal information about any criminal convictions and pending criminal charges. The cost of acquiring this criminal reference check from the student's local police department (Canadian Police Information Check) will be the responsibility of each student. Applicants to the MSc in the field of Couple and Family Therapy must submit the original results of this check to the Department of Family Relations and Applied Nutrition prior to beginning in September.

Administrative Staff

Acting Chair

Michael Nightingale (245 MINS, Ext. 56326)
mnightin@uoguelph.ca

Associate Chair

Janis Randall Simpson (219 MINS, Ext. 56321)
rjanis@uoguelph.ca

Graduate Coordinator

Robin Milhausen (219 MINS, Ext. 54397)
rmilhaus@uoguelph.ca

Graduate Secretary

Michelle Bateman (249 MINS, Ext. 53968)
frangs@uoguelph.ca

Graduate Faculty

Lynda M. Ashbourne

BSc McMaster, MSc, PhD Guelph - Assistant Professor

John M. Beaton

BA Wilfrid Laurier, MDiv Tyndale Theological Seminary, MSc Guelph, PhD Minnesota - Associate Professor

Paula M. Brauer

BHE British Columbia, MS Wisconsin, PhD Toronto - Associate Professor

Andrea Breen

BEd McGill, Ed M Harvard, PhD Toronto - Assistant Professor

Andrea Buchholz

BAA Ryerson, MSc Guelph, PhD Toronto - Associate Professor

Susan S. Chuang

BSc, MSc Toronto, MSc, PhD Rochester - Associate Professor

Kerry J. Daly

BA Carleton, MSc Guelph, PhD McMaster - Professor and Dean of College of Social & Applied Human Sciences

John Dwyer

BA Western Ontario, BEd Memorial, MA Western Ontario, PhD Saskatchewan - Associate Professor

Jess Haines

BSc Western Ontario, MHSc Toronto, PhD Minnesota - Assistant Professor

Leon Kuczynski

BSc, MA, PhD Toronto - Professor

Tuuli M. Kukkonen

BA Concordia, PhD McGill - Assistant Professor

Donna S. Lero

BA SUNY at Stony Brook, New York, MS, PhD Purdue - Professor and Jarislowsky Chair in Families and Work

Susan Lollis

BSc, MSc UC at Davis, PhD Waterloo - Professor

Clare MacMartin

BSc, MA Toronto, PhD Guelph - Associate Professor and Associate Dean, Academic, College of Social and Applied Human Sciences

Scott B. Maitland

BSc Buffalo State College, MSc, PhD Pennsylvania State - Associate Professor

Robin R. Milhausen

BA, MSc Guelph, PhD Indiana - Associate Professor and Graduate Coordinator

Michele Preyde

BSW Windsor, MSW Wayne State, PhD Toronto - Associate Professor

Janis A. Randall Simpson

BSc Toronto, PhD Guelph - Associate Professor and Associate Chair

Carla Rice

BA Harvard, MEd Toronto, PhD York - Associate Professor and Canada Research Chair

Judy D. Sheeshka

BHE British Columbia, PhD Guelph - Associate Professor

Olga Sutherland

BA, MA Trinity Western, PhD Calgary - Assistant Professor

Joseph A. Tindale

BA, MA McMaster, PhD York - Professor

MSc Program

Applied Human Nutrition

The MSc program in the field of Applied Human Nutrition incorporates both physiological and behavioural aspects of human nutrition and spans all age groups in its focus on the role of nutrition in human health and well-being. Faculty have specific interests in clinical and community nutrition, physical activity, nutrition assessment, education, health services research, inter-professional practice and epidemiology. This field of study provides a strong foundation in research and nutrition methodology through required courses and thesis work. The MSc in Applied Human Nutrition normally requires two years of full-time study.

Family Relations and Human Development

The MSc program in the field of Family Relations and Human Development takes an interdisciplinary approach to the study of family dynamics and individual development across the lifespan. This field of study emphasizes a balance between theory, empirical research and practice in graduate training. Students have many options for building an individualized program of study combining coursework and thesis research. Building on core theory and methodology courses, students choose from professional and applied courses as well as courses on specialized topics. The area of study has particular strengths in the following areas: child and adolescent development, parent-child and family relations, human sexuality, culture, adult development and gerontology, well-being, evidence-based practice, and social policy. The MSc in Family Relations and Human Development normally requires two years of full-time study.

Couple and Family Therapy

The MSc program in the field of Couple and Family Therapy is a program of study in theory, research, and practice, accredited by the Commission on Accreditation for Marriage and Family Therapy Education of the American Association for Marriage and Family Therapy. The curriculum is designed to produce sophisticated therapists and scholars by integrating contemporary theory, research competence, and systemic approaches to therapy in the understanding and treatment of couples, families, and individuals. This integrated course of study is coupled with high standards of professional and ethical conduct, attention to broader social issues that impact couples and families, and an emphasis on issues of diversity, power, and privilege. Applicants to this field have two options (1) thesis, and (2) non-thesis - by which to complete the degree. The thesis option is recommended for those students intending to pursue PhD studies at the University of Guelph or elsewhere. The MSc in Couple and Family Therapy requires two years of full-time study.

Admission Requirements

General admission requirements for these fields of study include an honours degree or equivalent with an average at least 75% in the last two years of study (or 20 credits).

Applied Human Nutrition

Admission requirements for the MSc program in the field of Applied Human Nutrition are most easily satisfied by applicants with honours degrees in human nutrition, and food and nutrition. Applicants with degrees in related fields (e.g., biology, biochemistry, human kinetics, and health studies) may be considered with suitable make-up work in core areas. Credit in the following undergraduate courses is normally required by all entering students: 1) a one-semester course in applied statistics within the last five years (minimum grade of 75%); 2) a one-semester course in research methods within the last five years (minimum grade of 75%); 3) a one-semester course in biochemistry; 4) a one-semester course in human physiology (at or beyond the second-year level); 5) two one-semester courses in human development/sociology/psychology/communications; 6) one 300-level and three 400-level one-semester courses in human nutrition. These requirements may be in progress at the time of application. Program offices should be consulted for admission deadlines.

Family Relations and Human Development

Admission requirements for the MSc program in the field of Family Relations and Human Development can be satisfied by applicants with honours degrees in a wide variety of undergraduate majors including family studies, child studies, psychology, sociology, and nursing. Credit in the following undergraduate courses is required of all entering students: 1) a one-semester course in applied statistics within the last five years (minimum grade of 75%); 2) a one-semester course in social-science research methods within the last five years (minimum grade of 75%); 3) a one-semester course in one of human development, child development, gerontology, or parent-child relations; 4) a one-semester course in one of family sociology, social psychology, family relations, family theory, or communications; 5) three 400-level (senior, fourth year) one-semester courses. Program offices should be consulted for admission deadlines.

NOTE: Department policy does not permit transfer applications from graduate students registered in the MSc in Family Relations and Human Development into the MSc in Couple and Family Therapy.

Couple and Family Therapy

General admission requirements for the MSc with an emphasis in Couple and Family Therapy are the same as noted for the MSc in Family Relations and Human Development (above). Relevant work and/or volunteer experience is an asset. The application must include an Overview of Professional Experience and Plans discussing the applicant's motivation for Couple and Family Therapy graduate education (maximum 3 typed pages). There is no need for non-thesis applicants to the MSc in CFT to choose an advisor prior to making the application. Selected applicants are invited for an interview, and will have the opportunity to speak with potential advisors at that time. Applicants for the thesis stream only must also submit the Statement of Academic/Research Intent - a detailed, referenced, research plan outlining the relevance of the topic, the connection to faculty research interests and the specific research questions. Also for thesis applicants only, research advisors can be CFT faculty or faculty from the broader department. While CFT faculty do not have research discussions with thesis applicants prior to the application and selection process, thesis applicants can make prior contact with a potential research advisor in the Department if this is deemed an appropriate fit to applicant's research interests. The American Association of Marriage and Family Therapy (AAMFT) encourages applications from qualified students who are members of identified minorities. Scholarship aid is available to minority students on a competitive basis from AAMFT.

The most qualified applicants will be short-listed and invited to attend a day-long interviewing process with the Couple and Family Therapy faculty. Participation in the interview is required for admission. Applications from outside of Canada are welcome and external interviewing is appropriately explored. Program offices should be consulted for admission deadlines. Prior to beginning graduate studies in CFT, admitted students must submit a current police record check (CPIC - Canadian Police Information Check) from their local police department.

Degree Requirements

Applied Human Nutrition

For all students in the MSc program in the field of Applied Human Nutrition, a minimum of 2.75 graduate credits will be chosen in consultation with the student's advisor and advisory committee including:

FRAN*6000	[0.50]	Research Methods
FRAN*6010	[0.50]	Applied Statistics
FRAN*6020	[0.50]	Qualitative Methods
FRAN*6510	[0.50]	Nutrition in the Community
FRAN*6610	[0.50]	Advances in Clinical Nutrition/Assessment I
FRAN*6550	[0.25]	Research Seminar

In addition, students must complete a research thesis. Most students take additional elective graduate courses related to their program of study. These courses and research may emphasize, for example, community nutrition, therapeutic nutrition, and/or nutritional epidemiology. These courses may be taken within the department and in other academic units of the university including Biomedical Sciences, Capacity Development and Extension, Food, Agricultural and Resource Economics, Human Health and Nutritional Sciences, Political Science, Population Medicine, Rural Planning and Development, and Sociology and Anthropology.

Family Relations and Human Development

For all students in the MSc program in the field of Family Relations and Human Development, a total of 3.75 credits will be chosen in consultation with the student's advisor and advisory committee.

Core courses include:

FRAN*6000	[0.50]	Research Methods
FRAN*6010	[0.50]	Applied Statistics
FRAN*6020	[0.50]	Qualitative Methods
FRAN*6340	[0.50]	Interdisciplinary Perspectives in Family Relations and Human Development
FRAN*6330	[0.25]	Research Seminar

In addition, students must complete a research thesis and are required to take a minimum of three (3) additional elective graduate courses (1.5 credits) related to their program of study.

Couple and Family Therapy

The intensive curriculum in Couple and Family Therapy has been designed to enable students to achieve an integration of theory, practice, and research. Clinical training in the MSc in CFT is guided by a systemic perspective, with emphasis on narrative, solution oriented, emotionally-focused and dialogic approaches. Attention to issues of gender, race, class, ethnicity, sexual identity, and culture as well as experiences of oppression and abuse are infused through all aspects of the curriculum.

Students are expected to develop competence in research. Students may choose to write a thesis, by conducting a research study, or they may choose the major research paper (non-thesis) option, and write a critical paper on a selected clinical topic. The thesis option is recommended for those students intending to pursue PhD studies at the University of Guelph or elsewhere. Thesis students will take additional courses to support their thesis research project (see the courses in the list below). Students completing the degree by the non-thesis option, take FRAN*6350, Major Paper.

Clinical training consists of four continuous practica (FRAN*6090) within the on-site Couple and Family Therapy Centre, plus an externship in a community agency (FRAN*6095). Prior to graduation the CFT student must accumulate 500 hours of direct therapy work with clients, with at least 250 hours (of the 500 hours) working with couples and/or families. Each practicum student receives a minimum of one hour of individual supervision for every five hours of client in-session contact. In addition, each student participates in a weekly supervision group with a student to supervisor ratio of no more than 8:1. Supervision modalities include live supervision, live observation, video/audio-observation, and case consultation. All program faculty are Clinical Members and Approved Supervisors or Supervisor Candidates of the American Association for Marriage and Family Therapy (AAMFT).

For all students in the MSc in the field of Couple and Family Therapy, a minimum of 9.25 graduate credits are required, including the following:

FRAN*6070	[0.50]	Sexual Issues and Clinical Interventions Across the Life Span
FRAN*6080	[0.50]	Special Topics in Couple and Family Therapy
FRAN*6090	[0.50]	Practicum in Couple and Family Therapy* *
FRAN*6095	[0.50]	Externship in Couple and Family Therapy
FRAN*6100	[0.50]	Clinical Issues in Couple and Family Therapy* *
FRAN*6120	[0.50]	Theories and Methods of Family Therapy I
FRAN*6130	[0.50]	Theories and Methods of Family Therapy II
FRAN*6140	[0.50]	Professional Issues
FRAN*6160	[0.50]	Introduction to Systemic Practice in Couple and Family Therapy
FRAN*6180	[0.50]	Research Issues in Couple and Family Therapy

Note

* Students take FRAN*6090 and FRAN*6100 four times throughout their course of study. As such, each course totals 2.0 credits.

In addition to the above required courses, students take one restricted elective (0.50 credits) in the area of human or lifespan development. Course options for this restricted elective may include:

FRAN*6200	[0.50]	Special Topics in Family Relations and Human Development *
FRAN*6310	[0.50]	Family Relationships Across the Life Span
FRAN*6320	[0.50]	Human Sexuality Across the Life Span
FRAN*6340	[0.50]	Interdisciplinary Perspectives in Family Relations and Human Development
FRAN*6370	[0.50]	Social Development During Childhood and Adolescence
FRAN*6410	[0.50]	Developmental Assessment and Intervention in Childhood and Adolescence

Note

* The special topic of FRAN*6200 must meet the COAMFTE criteria for individual development and family relations.

In addition, for Quantitative thesis students: Three additional courses are required:

FRAN*6330	[0.25]	Research Seminar
FRAN*6000	[0.50]	Research Methods
FRAN*6010	[0.50]	Applied Statistics

For Qualitative thesis students: Two additional courses are required:

FRAN*6330	[0.25]	Research Seminar
FRAN*6020	[0.50]	Qualitative Methods

For non-thesis students: One additional course is required:

FRAN*6350	[1.00]	Major Research Paper
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Upon completion of the requirements for the emphasis in Couple and Family Therapy, the student will receive an MSc. The transcript will specify Family Relations and Human Development: Couple and Family Therapy.

MAN Program

The MAN program comprises one year (3 semesters) of graduate course work and competency-based practica. The program is designed to meet the professional practice requirements for becoming a registered dietitian and to foster practice based research skills development.

Students take graduate courses in the three broad areas of competency required for practice: foodservice management, clinical/assessment and community nutrition. These courses focus on the latest research in these fields and provide strong theoretical underpinnings for professional practice. Students increase their knowledge of the field while enhancing their skills in three areas: the research process, critical appraisal and communication. Assignments in the courses apply theories to practice in real-life situations.

Graduates will complete the entry-level competencies of Dietitians of Canada (DC). Completion of the competencies will qualify a graduate to write the Canadian Dietetic Registration Examination (CDRE) to become a member of the College of Dietitians of Ontario (CDO), or another provincial dietetic regulatory body. The program is accredited by Dietitians of Canada as a dietetic internship. The course work and practicum options permit the pursuit of interests in the various areas of dietetic practice, while meeting the required entry-level dietetic competencies. Students are charged a practicum fee for each semester of the program, in addition to the University academic and non-academic fees.

Admission Requirements

Students applying to the Master of Applied Nutrition program must have an honours degree within the previous three years from a dietetic program accredited by Dietitians of Canada. Applicants should have a minimum average of at least 75% in the last two years of their undergraduate program. Credit in the following courses is required prior to beginning the program: 1) a one-semester course in applied statistics within the last five years (minimum grade of 75%); and 2) a one-semester course in research methods within the last five years (minimum grade of 75%). These requirements may be in progress at the time of application.

All applications will be reviewed by a committee of Applied Human Nutrition (AHN) graduate faculty. The AHN faculty will interview the most qualified applicants, rank the candidates and forward recommendations to the Assistant VP of Graduate Studies. Program offices should be consulted for admission deadlines.

Degree Requirements

For all students in the MAN program, a minimum of 6.5 graduate credits are required, including the following required courses:

FRAN*6510	[0.50]	Nutrition in the Community
FRAN*6610	[0.50]	Advances in Clinical Nutrition/Assessment I
FRAN*6710	[1.50]	Practicum in Applied Human Nutrition I
FRAN*6720	[1.50]	Practicum in Applied Human Nutrition II
FRAN*6730	[1.50]	Practicum in Applied Human Nutrition III
FRAN*6740	[0.50]	Foodservice Management in Healthcare
FRAN*6750	[0.50]	Final Project in Applied Human Nutrition

Graduates who have completed all required competencies successfully can apply to write the Canadian Dietetic Registration Examination (CDRE) and apply for membership in the College of Dietitians of Ontario (CDO).

PhD Program

Applied Human Nutrition

The PhD program in the field of Applied Human Nutrition is a course of study with a strong research focus involving biological, epidemiological and/or social-science perspectives, typically completed within four years (12 semesters). Each student works closely with an advisory committee in developing an individualized program of study that provides depth and addresses the student's specific research and professional goals.

Family Relations and Human Development

The PhD program in the field of Family Relations and Human Development is a course of study with a strong research focus, typically completed within four years (12 semesters). Each student works closely with an advisory committee to develop an individualized course of study that provides depth and addresses the student's specific research and professional goals. Building on core theory and methodology courses, students choose from professional and applied courses as well as courses on specialized topics. The PhD in FRHD has particular strengths in the following areas: child and adolescent development, parent-child and family relations, human sexuality, culture and acculturation, adult development and gerontology, evidence-based practice, well-being, and social policy.

Admission Requirements

Applied Human Nutrition

Students applying to the PhD program in the field of Applied Human Nutrition should have an MSc degree (or in progress) in human nutrition or a closely related field. Credit in the following courses is required prior to beginning the program: 1) a one-semester course in applied statistics within the last five years (minimum grade of 75%); 2) a one-semester course in research methods within the last five years (minimum grade of 75%); 3) a one-semester course in biochemistry; 4) a one-semester course in human physiology (at or beyond the second-year level); 5) two one-semester courses in human development/sociology/psychology/communications; and 6) one 300-level and three 400-level one-semester courses in human nutrition. A master's thesis is normally required for admission. These requirements may be in progress at the time of application.

Family Relations and Human Development

Students applying to the PhD program in the field of Family Relations and Human Development should have an MSc degree (or in progress) in Family Relations and Human Development or a closely related degree program (e.g., human development, gerontology, psychology, sociology, couple and family therapy, social work). Credit in the following courses is required prior to beginning the program: 1) a one-semester course in applied statistics within the last five years (minimum grade of 75%); and, 2) a one-semester course in research methods within the last five years (minimum grade of 75%). A master's thesis is normally required for admission.

Students enrolled in the MSc program in the fields of Applied Human Nutrition or Family Relations and Human Development are not automatically considered for the respective PhD program; a formal application is required for those wishing admission. All applications are evaluated with reference to academic, research, and professional experience with particular emphasis on research background and potential.

Degree Requirements

Applied Human Nutrition

PhD students in Applied Human Nutrition are required to take a minimum of 3.75 credits that build a foundation for their research and/or practice:

FRAN*6000	[0.50]	Research Methods
FRAN*6010	[0.50]	Applied Statistics
FRAN*6020	[0.50]	Qualitative Methods
FRAN*6440	[0.50]	Applied Factor Analysis & Structural Equation Modelling
FRAN*6510	[0.50]	Nutrition in the Community
FRAN*6610	[0.50]	Advances in Clinical Nutrition/Assessment I
FRAN*6620	[0.50]	Nutritional Epidemiology
FRAN*6550	[0.25]	Research Seminar

These required courses and any additional course work will be chosen in consultation with the student's advisor and committee and will depend upon the availability of offerings in the co-operating departments and schools.

The student's selection of elective courses is primarily determined by research specialization. Each of the emphases indicates some broad areas of research that reflect current faculty interests and is intended to help students define an area of research and study.

Family Relations and Human Development

PhD students in Family Relations and Human Development are required to take a minimum of 3.25 credits that build a foundation for their research and/or practice:

FRAN*6000	[0.50]	Research Methods
FRAN*6010	[0.50]	Applied Statistics
FRAN*6020	[0.50]	Qualitative Methods
FRAN*6440	[0.50]	Applied Factor Analysis & Structural Equation Modelling
FRAN*6340	[0.50]	Interdisciplinary Perspectives in Family Relations and Human Development
FRAN*6280	[0.50]	Theorizing in Family Relations and Human Development
FRAN*6330	[0.25]	Research Seminar

Most students take additional elective graduate courses related to their program of study. The student's selection of elective courses is primarily determined by research specialization. Each student works closely with an advisory committee in developing an individualized program of study by selecting courses that not only provide for interdisciplinary breadth but also address the student's specific research and professional goals. Each of the emphases also indicates areas of research that reflect current faculty interests and is intended to help students define an area of research and study.

Courses

Applied Human Nutrition

FRAN*6510 Nutrition in the Community W [0.50]

Concepts and knowledge of nutrition as applied in community and public health nutrition. Examination of current programs in applied nutrition.

Restriction(s): Instructor consent required for non-FRAN students.

FRAN*6550 Research Seminar U [0.25]

Research literature in applied nutrition. Registration for this course occurs in semester 5 for MSc students and semester 7 for PhD students. Students attend weekly seminars in each of the Fall and Winter semesters of their program of study.

FRAN*6560 Special Topics in Applied Human Nutrition U [0.50]

Contemporary research and special topics in applied human nutrition. Course content is unique to each offering. Instructor consent required for non FRAN graduate students.

FRAN*6610 Advances in Clinical Nutrition/Assessment I F [0.50]

An advanced overview of nutritional assessment and clinical nutrition with emphasis on issues relevant to community based and non-acute care settings. Nutrition assessment methods will be discussed in depth along with emerging issues. Emphasis on clinical nutrition will be integration of theory and practice.

Restriction(s): Instructor consent required for non-FRAN students

FRAN*6620 Nutritional Epidemiology W [0.50]

An investigation of selected non-communicable diseases. The emphasis is on epidemiologic methods and identification of nutritional risk factors. (Offered in alternate years.)

FRAN*6710 Practicum in Applied Human Nutrition I F [1.50]

This course provides a practicum of 3 days per week with a dietetic-related agency or organization to develop and perform dietetic competencies (internship experience). In weekly seminars, students discuss and reflect on theory and dietetic practice issues.

Restriction(s): For MAN students only.

FRAN*6720 Practicum in Applied Human Nutrition II W [1.50]

This course provides a practicum of 3 days per week with a dietetic-related agency or organization to develop and perform dietetic competencies (internship experience). In weekly seminars, students discuss and reflect on theory and dietetic practice issues

Prerequisite(s): FRAN*6710

Restriction(s): For MAN students only.

FRAN*6730 Practicum in Applied Human Nutrition III S [1.50]

This course provides a practicum of 3 days per week with a dietetic-related agency or organization to develop and perform dietetic competencies (internship experience). In weekly seminars, students discuss and reflect on theory and dietetic practice issues.

Prerequisite(s): FRAN*6720

Restriction(s): For MAN students only.

FRAN*6740 Foodservice Management in Healthcare W [0.50]

Students will critically assess and integrate foodservice management literature and theories to address the multifactorial issues in foodservice operations in healthcare. Case studies presented by expert guests and operational projects will support student synthesis and evaluation of the literature.

Restriction(s): Instructor consent required for non-FRAN students.

FRAN*6750 Final Project in Applied Human Nutrition S,F,W [0.50]

This supervised project includes a written report and oral presentation of an applied research project or a proposal for a research project, consisting of a literature view, purpose, methodology, and analysis plan. Students register in and work on the project for 3 consecutive semesters.

Restriction(s): For MAN students only.

Family Relations and Human Development**FRAN*6000 Research Methods F [0.50]**

This course includes critical appraisal of the research literature. Research ethics, subject selection, measurement issues, survey design, experimental and quasi-experimental designs, cross-sectional and longitudinal designs, scale development, questionnaire development and sampling strategies are discussed.

FRAN*6010 Applied Statistics F [0.50]

Students will learn conceptual and practical applications of statistical analyses with emphasis on hypothesis formation, data screening, test selection, inferential statistics, univariate and multivariate analysis of variance/covariance (including repeated measures designs), simple and multiple regression, logistic regression, regression diagnostics, model building and path analytic techniques.

Co-requisite(s): FRAN*6000

Restriction(s): Instructor consent required for non-FRAN students

FRAN*6020 Qualitative Methods W [0.50]

This course teaches students how to use qualitative methods as a mode of inquiry for understanding issues in human development, nutrition and family relationships. The emphasis is on project design, data collection techniques, analysis strategies and procedures for final write-up.

FRAN*6070 Sexual Issues and Clinical Interventions Across the Life Span S [0.50]

This course examines sexual issues and clinical interventions from a life span perspective. Focusing upon theory, research and clinical interventions it explores the relationship between issues in sexual development and sexual functioning. This course is offered in a one-week intensive format in coordination with the Guelph Sexuality Conference.

Restriction(s): Signature required.

FRAN*6200 Special Topics in Family Relations and Human Development U [0.50]

Contemporary research in family relations and human development. Research topics vary.

Restriction(s): Instructor consent required for non-FRAN graduate students.

FRAN*6210 Program Evaluation U [0.50]

An examination of the theoretical principles and practical applications of evaluation issues and strategies. Special attention is given to services for children and families across the life span. (Offered in alternate years.)

FRAN*6221 Evidence-Based Practice and Knowledge Translation U [0.50]

The principles of evidence-based practice are examined using various examples of psychosocial, behavioural and health interventions. The levels of evidence, criteria for efficacy and effectiveness, and the importance and limitations of evidence-based practice will be evaluated. The process of moving knowledge derived from high quality evidence into practice will be appraised throughout the course. Students will have the opportunity to build knowledge in their own areas of interest. (Offered in alternate years.)

FRAN*6260 Practicum in Family Relations and Human Development U [0.50]

Supervised practicum experience in a variety of agencies or services. Interested students are encouraged to discuss this option with their faculty advisor. Placements are arranged on an individual basis subject to the requirements of students' programs of study and must be negotiated with faculty in advance of registration.

Restriction(s): Available to FRAN graduate students only.

FRAN*6270 Issues in Family-Related Social Policy U [0.50]

This course investigates definitions of social policy, comparative family-related social policy, selected issues in Canadian family policy and frameworks for analysis of social policy. Issues in policy-related research are also explored. (Offered in alternate years.)

FRAN*6280 Theorizing in Family Relations and Human Development U [0.50]

An examination of the meaning of science and theory in relation to the study of families and human development. Included is a discussion of the major social science paradigms including positivism, critical theory, social constructionism and post-modernity. This course is designed for doctoral students. (Offered in alternate years.)

FRAN*6310 Family Relationships Across the Life Span U [0.50]

Considers theory and research on family and social relationships across the life span. Examples may include: parent-child, sibling, grandparent, couples, etc. (Offered in alternate years.)

FRAN*6320 Human Sexuality Across the Life Span U [0.50]

This course covers research, theoretical and substantive issues relevant to studying human sexuality across the life span. Topics include: child and adolescent sexuality, sexual identity, sexuality in adulthood and old age, sexual assault, international research and sex education. (Offered in alternate years.)

FRAN*6330 Research Seminar U [0.25]

Research literature in Family Relations and Human Development. Registration for this course occurs in semester 5 for MSc students and semester 7 for PhD students. Thesis students attend weekly seminars in each of the Fall and Winter semesters of their program of study.

Restriction(s): Available to FRAN graduate students only.

FRAN*6340 Interdisciplinary Perspectives in Family Relations and Human Development W [0.50]

This course acquaints students with the diverse disciplinary perspectives used in the study of family relations and human development. Substantive research issues provide a forum for integrating the separate perspectives and understanding the reciprocal relationship between individual and family growth and development.

FRAN*6370 Social Development During Childhood and Adolescence U [0.50]

A detailed study of factors important to social development and competence from infancy through adolescence. (Offered in alternate years.)

FRAN*6410 Developmental Assessment and Intervention in Childhood and Adolescence U [0.50]

An examination of psychological difficulties encountered in childhood and adolescence. Special attention will be given to theoretical models used to explain childhood difficulties, categorization systems, assessment techniques, methods of intervention, as well as ethical issues specific to working with children and adolescence. (Offered in alternate years.)

FRAN*6440 Applied Factor Analysis & Structural Equation Modelling U [0.50]

This course introduces students to exploratory factor analysis, confirmatory factor analysis, and structural equation modeling. Topics include: model selection and validation, multiple group models, measurement equivalence/invariance and latent mean analyses. This course is data-driven and students will learn through hands-on analytic experiences accompanied by in-class lectures and readings. (Offered in alternate years)

Prerequisite(s): FRAN*6000, FRAN*6010

Restriction(s): Instructor consent required for non-FRAN students

Couple and Family Therapy**Note**

The following courses are taken primarily by students in the Couple and Family Therapy emphasis. A limited number of spaces are available in some courses for students outside the Couple and Family Therapy area.

FRAN*6080 Special Topics in Couple and Family Therapy U [0.50]

This graduate seminar will feature research and practice issues in selected areas pertinent to the field of Couple and Family Therapy. Selected topics may vary from offering to offering.

FRAN*6090 Practicum in Couple and Family Therapy* U [0.50]

This course features supervised clinical practice in couple and family therapy. It involves regular clinical work with couples, families, and individuals. Students meet with faculty each week for up to six hours of supervision. Supervision over the semester will involve both group and individual/dyadic meetings.

Restriction(s): Available only to students in the Couple and Family Therapy program

FRAN*6095 Externship in Couple and Family Therapy S [0.50]

This is an advanced clinical practicum in Couple and Family Therapy. Students are placed in a community agency where they accumulate 10-15 hours per week (over 3 days) of direct clinical contact time. All clinical work is supervised by a clinical supervisor on site. Travel to the community agency is usually required.

Prerequisite(s): FRAN*6090

Restriction(s): Available only to students in the Couple and Family Therapy field of study

FRAN*6100 Clinical Issues in Couple and Family Therapy* U [0.50]

This course is taken four times in the two year program of study. Each offering features selected clinical issues; examination of each issue will include the socio-cultural context, theoretical location, and conceptual and practical implications for couple and family therapy.

Restriction(s): Available only to students in the Couple and Family Therapy field of study

FRAN*6120 Theories and Methods of Family Therapy I W [0.50]

This course will offer an historical perspective on the development of the field of couple and family therapy beginning with family systems therapy, through intergenerational models, to current constructionist approaches. Intervention methods consistent with these conceptual frameworks are examined. (Offered in alternate years.)

FRAN*6130 Theories and Methods of Family Therapy II F [0.50]

This course explores clinical theory and methods associated with structural, strategic and solution focused models of couple and family therapy. Feminist perspectives and approaches are used to examine power and gender dynamics in therapy. (Offered in alternate years.)

FRAN*6140 Professional Issues U [0.50]

An exploration of ethics in couple and family therapy; legal issues in the practice of family therapy; and professional issues regarding identity, licensure and practice.

FRAN*6160 Introduction to Systemic Practice in Couple and Family Therapy F [0.50]

An exploration of family process to understand diversity in family structures and functioning from a systemic conceptual framework. Applied activities in the associated tutorial section focus on developing basic communication, observational, and therapy skills. Student participation in small learning groups supports skill development and integration of theory and practice.

Restriction(s): Available only to students in the Couple and Family Therapy field of study

FRAN*6180 Research Issues in Couple and Family Therapy F [0.50]

The focus of this course is on research in Couple & Family Therapy, including issues related to evidence-based practice, therapeutic outcome, and therapeutic process. A selected review of quantitative and qualitative research methods and exemplary research is included. (Offered in alternate years.)

Restriction(s): Available to FRAN graduate students only.

FRAN*6350 Major Research Paper U [1.00]

The major research paper is an option open **only** to MSc students within the Couple and Family Therapy area. Students must demonstrate their ability to accurately synthesize and critically evaluate the literature in a specific area of interest. Detailed guidelines are provided.

Restriction(s): Available only to students in the Couple and Family Therapy field of study.

* Each of FRAN*6090 and FRAN*6100 are taken four consecutive semesters