# 2007-2008 Undergraduate Calendar

The information published in this Undergraduate Calendar outlines the rules, regulations, curricula, programs and fees for the 2007-2008 academic year, including the Summer Semester 2007, the Fall Semester 2007 and the Winter Semester 2008. For your convenience the Undergraduate Calendar is available in PDF format.

If you wish to link to the Undergraduate 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 http://www.uoguelph.ca

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# Disclaimer

## **University of Guelph 2007**

The information published in this Undergraduate Calendar outlines the rules, regulations, curricula, programs and fees for the 2007-2008 academic year, including the Summer Semester 2007, the Fall Semester 2007 and the Winter Semester 2008.

The University 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 publication of information in this calendar does not bind the University to the provision of courses, programs, schedules of studies, or facilities as listed herein.

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In the event of a discrepancy between a print version (downloaded) and the Web version, the Web version will apply,

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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/index.cfm?index.

### **Statistics Canada - Notification of Disclosure**

For further information, please see Statistics Canada's web site at http://www.statcan.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. See Section I--Statement of Students' Academic Responsibilities for more information.

### **Home Address**

Students are responsible for maintaining a current mailing address with the University. Address changes can be made, in writing, through Undergraduate Program Services.

### 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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# XI. Special Study Opportunities

### **Certificates and Diplomas**

The University offers certificate and diploma programs in Applied Statistics, Communication Process, Environmental Citizenship, Environmental Conservation, Food Science, Hospitality Studies, Leadership, and Public Policy and Administration. These programs are designed for those who want to develop or upgrade skills in one of these areas without necessarily proceeding towards a three or four year degree program. These programs may be completed on a part-time basis over a period of time.

For those who are in a degree program or who will be transferring into a degree program, there will be a restriction as to the number of courses which can be used for both a certificate/diploma and a degree specialization. Up to 50% of the requirements for a degree-credit certificate can be applied towards a degree. Note that the Certificate in Leadership is exempt from this restriction.

For more information, please consult with the Program Counsellor for Open Learning (ext. 56050).

### **Certificate in Communication Process**

The five-course online Certificate in Communication Process sets out to enhance participants' knowledge, attitudes and skills necessary for successful careers in business, human resource management, education, medical and veterinary professions, social work, criminology, and international development.

This program focuses on facilitating knowledge-sharing through verbal and non-verbal signs and symbols, as it relates to units of different size and complexity - among individuals, groups, organizations, nations and regions of the world. By gaining insight into various communication processes, participants will be better equipped to effectively manage change in a constantly evolving environment.

The Certificate in Communication Process, available to both undergraduate students and open learners, is offered online through University of Guelph's School of Environmental Design and Rural Development, and is structured as follows:

### **Required Courses**

-		
EDRD*2020*DE [0.5	[0] Interpersonal Communication	
EDRD*3140*DE [0.5	0] Organizational Communication	
3 of the following 4 cou	irses:	
EDRD*3120*DE [0	0.50] Educational Communication	
EDRD*3160*DE [0	0.50] International Communication	
EDRD*3180*DE [0	0.50] Social Processes in Mediated Communication	
EDRD*4120*DE [0	0.50] Leadership Development in Small Organizations	
For more i	nformation, visit the website at:	
http://www.open.uogue	lph.ca/offerings/program.cfm?PID=75.	

### **Certificate in Environmental Citizenship**

Developed from a social science perspective, this Certificate is beneficial to those who want to learn more about the global environmental issues facing us today and in the future. Participants gain in-depth knowledge about environmental changes, their global impact, and how one can directly contribute to the environment's sustainability. The Certificate consists of six degree-credit distance education courses taken online from the University of Guelph's Faculty of Environmental Sciences. It is structured as follows, requiring six courses total, to include at least two at the 3000 or 4000 level:

### **Required Course**

UNIV*2050*DE	[0.50]	Environmental Perspectives and Human Choices I		
2 or 3 of the following:				
BOT*2000*DE	[0.50]	Plants, Biology and People		
ECON*1050*DE	[0.50]	Introductory Microeconomics		
ECON*2100*DE	[0.50]	Economic Growth and Environmental Quality		
EDRD*3500*DE	[0.50]	Recreation and Tourism Planning		
EDRD*4500*DE	[0.50]	Planning Industrial Ecology		
GEOG*1220*DE	[0.50]	Human Impact on the Environment		
HIST*2250*DE	[0.50]	Environment and History		
PHIL*2070*DE	[0.50]	Philosophy of the Environment		
POLS*3370*DE	[0.50]	Environmental Policy Formation and Administration		
SOIL*2120*DE	[0.50]	Introduction to Environmental Stewardship		
UNIV*3250*DE	[0.50]	Environmental Perspectives and Human Choices II		
2 or 3 of the follo	wing:			
BIOL*2060*DE	[0.50]	Ecology		
BOT*1200*DE	[0.50]	Plants and Human Use		
EDRD*3450*DE	[0.50]	Watershed Planning Practice		
EDRD*4010*DE	[0.50]	Tourism Planning in the Less Developed World		
ENVB*3000*DE	[0.50]	Nature Interpretation		
GEOG*2210*DE	[0.50]	Environment and Resources		
GEOG*3020*DE	[0.50]	Global Environmental Change		
GEOG*3210*DE	[0.50]	Management of the Biophysical Environment		
GEOG*3490*DE	[0.50]	Tourism and Environment		
MET*1000*DE	[0.50]	The Atmospheric Environment		
SOIL*3300*DE	[0.50]	Land Resource Stewardship		

ZOO\*1500\*DE [0.50] Humans in the Natural World - a Zoological Perspective ZOO\*2050\*DE [0.50] Natural History of Ontario For more information, please visit the website at: http://www.environmentalcertificates.com.

### **Certificate in Environmental Conservation**

Developed from a biophysical science perspective, this Certificate is beneficial to those who want to gain knowledge of issues surrounding environmental protection, conservation and preservation, and environmental research. The Certificate consists of six degree-credit distance education courses taken online from the University of Guelph's Faculty of Environmental Sciences. The program is designed to provide participants with the credentials they need for professional advancement in the environment industry and/or personal enrichment. It is structured as follows, requiring six courses total, to include at least two at the 3000 or 4000 level:

#### **Required Course**

SOIL*2120*DE	[0.50]	Introduction to Environmental Stewardship			
2 or 3 of the following:					
EDRD*3450*DE	[0.50]	Watershed Planning Practice			
GEOG*1220*DE	[0.50]	Human Impact on the Environment			
GEOG*1300*DE	[0.50]	Introduction to the Biophysical Environment			
GEOL*1100*DE	[0.50]	Principles of Geology			
GEOL*2250*DE	[0.50]	Geology of Natural Disasters			
MET*1000*DE	[0.50]	The Atmospheric Environment			
SOIL*2010*DE	[0.50]	Soil Science			
SOIL*3080*DE	[0.50]	Soil and Water Conservation			
2 or 3 of the follow	wing:				
BIOL*2060*DE	[0.50]	Ecology			
BIOL*3450*DE	[0.50]	Introduction to Aquatic Environments			
ENVB*3000*DE	[0.50]	Nature Interpretation			
ENVB*3040*DE	[0.50]	Natural Chemicals in the Environment			
ENVB*4780*DE	[0.50]	Forest Ecology			
GEOG*2210*DE	[0.50]	Environment and Resources			
GEOG*3020*DE	[0.50]	Global Environmental Change			
GEOG*3210*DE	[0.50]	Management of the Biophysical Environment			
SOIL*3300*DE	[0.50]	Land Resource Stewardship			
ZOO*2050*DE	[0.50]	Natural History of Ontario			
For more	informat	ion, please visit the website at:			
http://www.enviror	http://www.environmentalcertificates.com.				

### **Certificate in Food Science**

The Certificate in Food Science program is offered by the Department of Food Science in a distance education mode. Normally, learners will require two years to complete the process. The certificate program is aimed at upgrading individuals who either have a formal university education in an area other than Food Science or have been working in Food Science-related areas but who have no academic background in Food Science. The certificate program concentrates on the chemistry, analysis, microbiology and processing of foods, and on the maintenance of food safety and quality throughout. All courses are offered in an interactive format via the internet.

Individuals interested in entering the Certificate in Food Science program should enrol in the Open Learning program through the Office of Open Learning. Post-secondary courses in microbiology and chemistry are pre-requisites for entrance into the program. The core courses of the program cannot be used as substitutes for core courses or restricted

### **Required Courses**

FOOD*2010*DE	[0.50]	Principles of Food Science
FOOD*2400*DE	[0.50]	Introduction to Food Chemistry
FOOD*2410*DE	[0.50]	Introduction to Food Processing
FOOD*2420*DE	[0.50]	Introduction to Food Microbiology
FOOD*3430*DE	[0.50]	Introduction to Food Analysis
For more information, please visit the website at: http://www.foodsciencecertificate.com.		

### **Certificate in Hospitality Studies**

electives in the B.Sc. Food Science Major.

The Certificate in Hospitality Studies is offered online from the University of Guelph's School of Hospitality and Tourism Management, College of Management and Economics. It is comprised of five courses taken via distance education and is designed to provide an overview of the hospitality industry, an understanding of human resources management principles and financial management skills. It is perfect for individuals needing additional formal education to assume greater management responsibilities.

Prior Learning Assessment is in place for this Certificate to evaluate and recognize experience and previous education, including seminars, workshops and corporate training programs. Students may receive credit to a maximum of one credit towards one of the required courses. See Chapter VIII, Prior Learning Assessment, for more information. Individuals interested in PLA should consult with the Program Counsellor at the Office of Open Learning (ext. 56050).

The Certificate requires the five courses listed below:

#### **Required Courses**

HTM*2030*DE	[0.50]	Control Systems in the Hospitality Industry
HTM*2150*DE	[0.50]	Introduction to Canadian Business Management
HTM*2200*DE	[0.50]	Organizational Behaviour I
HTM*3000*DE	[0.50]	Human Resources Management
HTM*3070*DE	[0.50]	Hospitality and Tourism Management Accounting
For more information, please visit the website at: http://www.hospitalitystudies.com.		

### **Certificate in Leadership**

The Certificate in Leadership is offered by the University of Guelph through the College of Management and Economics. This certificate program allows undergraduate students to complete both their degree program and the certificate concurrently. As well, the certificate is available to students in the Open Learning program.

The program focuses on new leadership models and practical applications in a variety of organizational settings. Five undergraduate courses are required, in addition to 120 hours of leadership practice. Students will develop an historical and theoretical understanding of leadership with particular emphasis on contemporary theories, models and research.

The program consists of 2.50 credits chosen from the lists below, plus 120 hours of leadership practice, in an approved placement. Some courses require particular prerequisites; it is important to take into account the necessary prerequisites and semester offered when determining the sequence in which courses are taken. Students should consult with the Open Learning program Counsellor at the Office of Open Learning (ext. 56050).

Students who wish to enrol in the Certificate in Leadership program should contact the Office of Open Learning at 519-767-5000. For more information, please visit the website at: http://www.leadershipcertificate.com.

#### 1.00 credits from:

UNIV*2000*DE	[0.50]	Foundations of Leadership
[students must contact the Office of Open Learning for instructor consent]		
UNIV*4000*DE	[0.50]	Leadership Capstone
[students must con	tact the Off	ice of Open Learning for instructor consent]
0.50 credits from:		· · ·
PHIL*2120*DE	[0.50]	Ethics
PHIL*2600*DE	[0.50]	Business and Professional Ethics
POLS*3440*DE	[0.50]	Corruption, Scandal and Political Ethics
1.00 credits from:		
ENVS*2010	[0.50]	Decision-making and Communication Skills
[restricted to B.Sc.	Env. studer	nts only]
HTM*2150*DE	[0.50]	Introduction to Canadian Business Management
[Note: B.Comm str	udents may	not take this course for credit in their degree program.]
EDRD*3140*DE	[0.50]	Organizational Communication
EDRD*3160*DE	[0.50]	International Communication
EDRD*4120*DE	[0.50]	Leadership Development in Small Organizations
HTM*3000*DE	[0.50]	Human Resources Management
ISS*2500	[0.50]	Management in Organizations
PHIL*2100*DE	[0.50]	Critical Thinking
POLS*2250*DE	[0.50]	Public Administration
POLS*3940*DE	[0.50]	Accountability and Canadian Government
PSYC*3070*DE	[0.50]	Psychology in Human Resource Management
PSYC*3080*DE	[0.50]	Organizational Psychology
SOAN*2040	[0.50]	Globalization of Work and Organizations
Dinlomo in A.	anlind St	otistics

#### **Diploma in Applied Statistics**

The Diploma in Applied Statistics is a program offered by the Department of Mathematics and Statistics, which seeks to give students of the Applied Sciences a technical competency in the use and application of Statistics.

The program is intended mainly for those whose primary area of expertise is not in Statistics, but who feel the need to be able to use modern statistical techniques. This program seeks to fill a need of scientists to reach a useful level of competency in the use of statistical methodology.

#### **Diploma Requirements**

The program consists of 5.00 credits chosen from the following list. It is important to take into account the necessary prerequisites when determining the sequence in which the courses are taken. Consult an advisor from the department for assistance.

MATH*2080	[0.50]	Elements of Calculus II
MATH*2150*DE	[0.50]	Applied Matrix Algebra
STAT*2040	[0.50]	Statistics I
STAT*2050	[0.50]	Statistics II
STAT*3100	[0.50]	Introductory Mathematical Statistics I
STAT*3110	[0.50]	Introductory Mathematical Statistics II
STAT*3210	[0.50]	Experimental Design
STAT*3240	[0.50]	Applied Regression Analysis
STAT*3320	[0.50]	Sampling Theory with Applications
STAT*3510	[0.50]	Environmental Risk Assessment
STAT*4050	[0.50]	Topics in Applied Statistics I
STAT*4060	[0.50]	Topics in Applied Statistics II
STAT*4080	[0.50]	Data Analysis

STAT*4350	[0.50]	Applied Multivariate Statistical Methods
STAT*4360	[0.50]	Applied Time Series Analysis
STAT*4510	[0.50]	Advanced Risk Analysis

### **Diploma in Public Policy and Administration**

The program is designed for those who wish to develop their skills in public sector management and public policy analysis. The requirement of 5.00 credits for the diploma is divided into 2 groups of courses: required courses and elective courses.

Students are encouraged to consult the Diploma in Public Policy and Administration program coordinator or Chair of the Department of Political Science with regard to the availability and on-going development of distance education courses.

### **Required Courses**

POLS*1400*DE	[0.50]	Issues in Canadian Politics
POLS*2250*DE	[0.50]	Public Administration
POLS*3250	[0.50]	Public Policy: Challenges and Prospects
POLS*3440*DE	[0.50]	Corruption, Scandal and Political Ethics
POLS*4250	[0.50]	Topics in Public Management
Electives - at l	east 2.50	credits must be chosen from the following:
POLS*2300*DE	[0.50]	Canadian Government
POLS*3110	[0.50]	Politics of Ontario
POLS*3210	[0.50]	The Constitution and Canadian Federalism
POLS*3270	[0.50]	Local Government in Ontario
POLS*3280	[0.50]	Modern Political Ideologies
POLS*3330	[0.50]	Politics and Trade Liberalization in the Americas
POLS*3370*DE	[0.50]	Environmental Policy Formation and Administration
POLS*3470	[0.50]	Business-Government Relations in Canada
POLS*3670	[0.50]	Comparative Public Policy and Administration

### **Co-operative Education**

The Co-operative Education option is offered in 36 majors. Co-op provides eligible students with the opportunity to alternate semesters of academic study with semesters of paid work experience. The work experience is related to the student's academic program and/or career objectives. Admission can occur directly into semester 1 from high school, or in-course (but not normally beyond Academic Semester 3).

For further details refer to information on Co-operative Education in Section X--Degree Programs. Course requirements and academic/work sequences for specific majors are listed under the appropriate degree program in Section X--Degree Programs.

### **Distance Education**

The Distance Education program, administered by the Office of Open Learning, supports academic departments in offering degree credit courses to students who choose to study outside the traditional classroom environment. Courses may come with a variety of learning resources, including: manuals, videotapes, audio CDs, DVDs, CD-ROMs, etc., depending on the nature of the course. As well, most courses incorporate computer conferencing, email, computer-based quizzes, and the use of the Internet. Distance education provides a contemporary means through which the University of Guelph continues its tradition of outreach and open learning opportunities.

Students may take distance education courses for a variety of reasons, including: to have flexibility in designing their own study schedules; to avoid timetable conflicts; to acquire credits while away on summer break or on a co-op job placement; to take courses unavailable in class in a given semester; to learn in an interactive online environment.

The University of Guelph recognizes the importance of distance learning and is committed to providing opportunities for the off-campus learner. A wide range of subject areas and course levels is available.

The following is a list of the courses that are offered in the distance format. When selecting these courses, section DE must be specified to indicate the distance education offering. Please consult Section XII--Course Descriptions. Because additional courses are constantly being developed, please consult the Office of Open Learning, 160 Johnston Hall, 519-767-5000, email: info@open.uoguelph.ca for an updated listing of courses available by distance education and when they are scheduled to be offered. Course listings are also available at www.open.uoguelph.ca.

AGEC*2300*DE	[0.50]	Organic Marketing
ANSC*2340*DE	[0.50]	Structure of Farm Animals
ANTH*1150*DE	[0.50]	Introduction to Anthropology
BIOL*2060*DE	[0.50]	Ecology
BIOL*2210*DE	[0.50]	Introductory Cell Biology
BIOL*3450*DE	[0.50]	Introduction to Aquatic Environments
BIOM*2000*DE	[0.50]	Concepts of Physiology
BIOM*3100*DE	[0.50]	Mammalian Physiology I
BOT*1200*DE	[0.50]	Plants and Human Use
BOT*2000*DE	[0.50]	Plants, Biology and People
BUS*2220*DE	[0.50]	Financial Accounting
BUS*2230*DE	[0.50]	Management Accounting
CHEM*1060*DE	[0.50]	Introductory Chemistry
CHEM*1100*DE	[0.50]	Chemistry Today
CIS*1000*DE	[0.50]	Introduction to Computer Applications

	10 501			FO 501	
CIS*1200*DE	[0.50]	Introduction to Computing	HIST*3540*DE	[0.50]	World War Two
CIS*1500*DE	[0.50]	Introduction to Programming	HIST*4050*DE	[0.50]	Topics in Scottish History
CIS*2100*DE	[0.50]	Scientific Computing and Applications Development	HORT*1060*DE		Plant Identification: Woody Plants
ECON*1050*DE		Introductory Microeconomics		[0.50]	Wine-Grape Culture
ECON*1100*DE		Introductory Macroeconomics	HTM*2030*DE	[0.50]	Control Systems in the Hospitality Industry
ECON*2100*DE		Economic Growth and Environmental Quality	HTM*2150*DE	[0.50]	Introduction to Canadian Business Management
ECON*2310*DE		Intermediate Microeconomics	HTM*2200*DE	[0.50]	Organizational Behaviour I
ECON*2410*DE		Intermediate Macroeconomics	HTM*3000*DE	[0.50]	Human Resources Management
ECON*2770*DE		Introductory Mathematical Economics	HTM*3070*DE	[0.50]	Hospitality and Tourism Management Accounting
ECON*3560*DE		Theory of Finance	HTM*3180*DE	[0.50]	Casino Operations Management
ECON*3660*DE	[0.50]	Economics of Equity Markets	HTM*3780*DE	[0.50]	Economics of Food Usage
ECON*4400*DE	[0.50]	Economics of Organizations and Corporate Governance	HTM*4160*DE	[0.50]	Human Resources Planning
EDRD*2020*DE	[0.50]	Interpersonal Communication	LARC*1950*DE	[0.50]	History of Cultural Form I
EDRD*3120*DE	[0.50]	Educational Communication	LARC*4610*DE	[0.50]	Professional Practice
EDRD*3140*DE	[0.50]	Organizational Communication	MATH*1000*DE	[0.50]	Introductory Calculus
EDRD*3160*DE	[0.50]	International Communication	MATH*2150*DE	[0.50]	Applied Matrix Algebra
EDRD*3180*DE	[0.50]	Social Processes in Mediated Communication	MBG*3060*DE	[0.50]	Quantitative Genetics
EDRD*3450*DE	[0.50]	Watershed Planning Practice	MBG*3090*DE	[0.50]	Applied Animal Genetics
EDRD*3500*DE	[0.50]	Recreation and Tourism Planning	MBG*3600*DE	[0.25]	Introduction to Genomics
EDRD*3550*DE	[0.50]	Economic Development for Rural and Smaller	MCS*1000*DE	[0.50]	Introductory Marketing
		Communities	MCS*2020*DE	[0.50]	Information Management
EDRD*4010*DE	[0.50]	Tourism Planning in the Less Developed World	MCS*2100*DE	[0.50]	Personal Financial Management
EDRD*4120*DE	[0.50]	Leadership Development in Small Organizations	MCS*3010*DE	[0.50]	Quality Management
EDRD*4500*DE	[0.50]	Planning Industrial Ecology	MCS*3030*DE	[0.50]	Research Methods
ENGL*1200*DE	[0.50]	Reading the Contemporary World	MCS*3040*DE	[0.50]	Business and Consumer Law
ENGL*1410*DE	[0.50]	Major English Writers	MET*1000*DE	[0.50]	The Atmospheric Environment
ENGL*2640*DE		Culture, Location, Identity: Minoritized Literatures in	MUSC*1060*DE		Introduction to Music
		Canada and Beyond	MUSC*1130*DE		Introduction to Musicianship
ENVB*2210*DE	[0.50]	Introductory Apiculture	MUSC*2140*DE		History of Jazz
ENVB*3000*DE		Nature Interpretation	MUSC*2280*DE		Masterworks of Music
ENVB*3040*DE		Natural Chemicals in the Environment	NUTR*1010*DE		Nutrition and Society
ENVB*4780*DE		Forest Ecology	NUTR*2050*DE		Family and Community Nutrition
EURO*1050*DE		The Emergence of a United Europe		[0.50]	Principles of Disease
EURO*2070*DE		European Integration, 1957-1992	PHIL*2070*DE	[0.50]	Philosophy of the Environment
FOOD*2010*DE		Principles of Food Science	PHIL*2100*DE	[0.50]	Critical Thinking
FOOD*2400*DE		Introduction to Food Chemistry	PHYS*1020*DE	[0.50]	Introductory Physics
FOOD*2400 DE		Introduction to Food Processing	PHYS*1600*DE	[0.50]	Contemporary Astronomy
FOOD*2410 DE		Introduction to Food Microbiology	POLS*1400*DE	[0.50]	Issues in Canadian Politics
FOOD*3430*DE		Introduction to Food Analysis	POLS*1500*DE	[0.50]	World Politics
FOOD*4010*DE		Food Plant Sanitation and Quality Control	POLS*2250*DE	[0.50]	Public Administration
FOOD*4070*DE		Food Packaging	POLS*2300*DE	[0.50]	Canadian Government
FREN*1090*DE	[0.50]	Basic French: Reading	POLS*3370*DE	[0.50]	Environmental Policy Formation and Administration
FREN*1100*DE	[0.50]	Basic French: Listening	POLS*3440*DE	[0.50]	Corruption, Scandal and Political Ethics
FREN*1120*DE	[0.50]	Basic French: Writing	POLS*3940*DE	[0.50]	Accountability and Canadian Government
FREN*2020*DE		France: Literature and Society	PSYC*1100*DE	[0.50]	Principles of Behaviour
FREN*2500*DE		French Translation I	PSYC*1200*DE	[0.50]	Dynamics of Behaviour
FRHD*1010*DE		Human Development			Quantification in Psychology
		Couple and Family Relationships	PSYC*2010*DE	[0.50]	Introduction to Social Psychology
FRHD*1020*DE			PSYC*2310*DE	[0.50]	
FRHD*2060*DE		Adult Development and Aging	PSYC*2360*DE	[0.50]	Introductory Research Methods
FRHD*2100*DE		Development of Human Sexuality	PSYC*2390*DE	[0.50]	Principles of Sensation and Perception
FRHD*2110*DE		Exceptional Children and Youth	PSYC*2450*DE	[0.50]	Introduction to Developmental Psychology
FRHD*2260*DE		Infant Development	PSYC*2650*DE	[0.50]	Cognitive Psychology
FRHD*2270*DE		Development in Early and Middle Childhood	PSYC*2740*DE	[0.50]	Personality
FRHD*2280*DE		Adolescent Development	PSYC*3010*DE	[0.50]	Compensation Systems
FRHD*3190*DE		Administration of Programs for Children and Youth	PSYC*3020*DE	[0.50]	Psychology of Law
GEOG*1200*DE		Society and Space	PSYC*3060*DE	[0.50]	Occupational Health Psychology
GEOG*1220*DE		Human Impact on the Environment	PSYC*3070*DE	[0.50]	Psychology in Human Resource Management
GEOG*1300*DE		Introduction to the Biophysical Environment	PSYC*3080*DE	[0.50]	Organizational Psychology
GEOG*2210*DE		Environment and Resources	PSYC*3090*DE	[0.50]	Training and Development
GEOG*2510*DE		Canada: A Regional Synthesis	PSYC*3220*DE	[0.50]	Ergonomics: the Scientific Study of People-System
GEOG*3020*DE		Global Environmental Change			Relationships
GEOG*3210*DE		Management of the Biophysical Environment	PSYC*3250*DE	[0.50]	Psychological Measurement
GEOG*3490*DE		Tourism and Environment	PSYC*3340*DE	[0.50]	Psycholinguistics
GEOL*1100*DE	[0.50]	Principles of Geology	PSYC*3390*DE	[0.50]	Abnormal Psychology
GEOL*2250*DE		Geology of Natural Disasters	PSYC*3480*DE	[0.50]	Psychology of Sport
HIST*1150*DE	[0.50]	20th-Century Global History	PSYC*3570*DE	[0.50]	The Psychology of Death and Dying
HIST*2000*DE	[0.50]	The British Isles, 1066-1603	PSYC*3710*DE	[0.50]	Psychology of Learning Difficulties and Disabilities I
HIST*2040*DE	[0.50]	War and Society	PSYC*3800*DE	[0.50]	Psychology and Education
HIST*2070*DE	[0.50]	World Religions in Historical Perspective	PSYC*3850*DE	[0.50]	Intellectual Disabilities
HIST*2250*DE	[0.50]	Environment and History	SOAN*2400*DE	[0.50]	Introduction to Gender Systems
HIST*2450*DE	[0.50]	The Practicing Historian	SOC*1100*DE	[0.50]	Sociology
HIST*2610*DE	[0.50]	Contemporary Canadian Issues	SOC*1500*DE	[0.50]	Crime and Criminal Justice
HIST*2830*DE	[0.50]	The Emergence of Modern Germany 1871-1990	SOC*2070*DE	[0.50]	Social Deviance
HIST*3020*DE	[0.50]	Sexuality and Gender in History	SOC*2750*DE	[0.50]	Serial Murder
HIST*3030*DE	[0.50]	Celtic Britain and Ireland to 1066	SOC*3490*DE	[0.50]	Law and Society
HIST*3140*DE	[0.50]	Witch-hunts and Popular Culture	SOIL*2010*DE	[0.50]	Soil Science
HIST*3530*DE	[0.50]	Celtic Britain and Ireland Since 1603	SOIL*2120*DE	[0.50]	Introduction to Environmental Stewardship
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#### XI. Special Study Opportunities, General Studies

SOIL*3080*DE	[0.50]	Soil and Water Conservation
SOIL*3300*DE	[0.50]	Land Resource Stewardship
SPAN*1100*DE	[0.50]	Introductory Spanish
SPAN*1110*DE	[0.50]	Intermediate Spanish
STAT*2060*DE	[0.50]	Statistics for Business Decisions
THST*2500*DE	[0.50]	Contemporary Cinema
UNIV*2000*DE	[0.50]	Foundations of Leadership
UNIV*2050*DE	[0.50]	Environmental Perspectives and Human Choices I
UNIV*3250*DE	[0.50]	Environmental Perspectives and Human Choices II
UNIV*4000*DE	[0.50]	Leadership Capstone
WMST*1000*DE	[0.50]	Introduction to Women's Studies
ZOO*1500*DE	[0.50]	Humans in the Natural World - a Zoological Perspective
ZOO*2050*DE	[0.50]	Natural History of Ontario
Note:		

· Getting ready for Calculus, a non-degree credit preparatory course, is also offered via distance.

Note: Please check with the Office of Open Learning regarding the technology and resource requirements (e.g. computer, internet, VCR, DVD player, etc.) for the specific course(s) in which you are interested.

The courses have been designed and written by experts to meet rigorous standards. Clusters of courses are offered from selected areas of specialization within the University.

The Diploma in Applied Statistics, the Diploma in Public Policy and Administration, the Certificate in Communication Process, the Certificate in Food Science, the Certificate in Hospitality Studies, the Certificate in Environmental Citizenship, the Certificate in Environmental Conservation and the Certificate in Leadership are also offered in the distance education mode in whole or in part (see Certificates and Diplomas in this section for further information).

### **General Studies**

The objective of the General Studies program is to provide mature students with the opportunity to take university courses before registering in a specific degree program or to take university courses for continued learning with no immediate intention of registering in a degree program. The General Studies program does not lead towards a specific undergraduate degree at the University of Guelph. Initially, students register for part time studies only.

#### Academic Counselling

General Studies students can obtain counselling for selecting courses, and planning their future program from the B.A. Counselling Office located in Room 130 MacKinnon Building. Prospective students should contact the Admissions Section of the Office of Registrarial Services.

#### **Financial Assistance**

Students registered in 3 or more courses of the General Studies program are eligible to apply to the Ontario Student Assistance Program (OSAP) if an Ontario resident. Students who are residents of other provinces must apply to their home province for financial assistance. General Studies students are eligible to apply for OSAP assistance for a maximum of two semesters. General Studies students who transfer to a degree program may continue to apply for OSAP.

#### Schedule of Studies

- 1. Students may take any undergraduate course offered by the University, as long as any stated prerequisites are met or the approval of the instructor is obtained.
- 2. Students may take Associate Diploma courses with the approval of the Director of the Associate Diploma program.
- 3. Students will not normally be eligible to continue in the General Studies program after enrolment in 20 courses.
- 4. The grade assigned for each course will become part of the student's University academic record.
- 5. Students who register in the General Studies program and who subsequently apply for transfer to a degree or diploma program, will be required to meet admission requirements for that program, and credit granted for courses taken in the General Studies program will be subject to the regulations pertaining to that program.

### Tuition Fees

Students are advised to refer to Section VI--Schedule of Fees.

### **Undergraduate Regulations**

Students are referred to Section VIII--Undergraduate Degree Regulations for additional information regarding registration, course selection, withdrawal from study, continuation of study, examination policy and requests for academic consideration.

### Graduate Studies

The University of Guelph offers graduate programs in most departments and schools. These post-baccalaureate programs offer opportunities for personal, academic and professional growth. Students with a 70% average or higher should consider and investigate these options, beginning no later than their third undergraduate year. Decisions regarding

the desired area of study and pursuit of scholarship support require forethought and planning. Information, application forms, and counselling are available through the graduate coordinators of each department/school. Students are also welcome to visit the Office of Graduate Program Services, Level 3, University Centre.

The University of Guelph offers opportunities for qualified students to do graduate work leading to the Master of Arts (M.A.), Master of Science (M.Sc.), Master of Landscape Architecture (M.L.A.), Master of Engineering (M.Eng.), Master of Science in Aquaculture (M.Sc. Aqua), Master of Business Administration (M.B.A.), Master of Fine Art (M.F.A.), Master of Science in Planning (M.Sc. Plan), Master of Applied Nutrition (M.A.N.), Doctor of Philosophy (Ph.D.), and Doctor of Veterinary Science (D.V.Sc.) degrees.

### **Interdisciplinary Studies**

The University of Guelph offers many interdisciplinary programs that cross departmental and college boundaries. In addition, specific courses and specializations have been modelled on an interdisciplinary approach to the topic or subject area.

Courses with an interdisciplinary approach and content are listed in Section XII under the following headings: Humanities, Physical Science, and Social Science as well as Interdisciplinary University Courses.

The following list of specializations is not intended to represent all the university's interdisciplinary initiatives. Instead it identifies those specializations that involve a significant degree of collaboration between departments or colleges. For further details, refer to the appropriate undergraduate degree program information in Section IX.

### **Bachelor of Arts**

Criminal Justice and Public Policy Environmental Studies (Minor) European Studies Information Systems & Human Behaviour International Development Women's Studies

### **Bachelor of Commerce**

Agricultural Business Hotel and Food Administration Human Resources Management Management Economics in Industry & Finance Marketing Management Public Management Tourism Management **Bachelor of Science (Biological Science)** 

**Biomedical Toxicology** Earth Surface Science Environmental Toxicology Plant Biology

### **Bachelor of Science in Environmental Sciences**

### **Open Learning**

The University of Guelph serves the learning needs of people of all ages whose educational requirements may not match the program structure or services available through full-time undergraduate study. The adoption of the philosophy of lifelong learning, changes in the demographic characteristics of our communities, the explosion of new knowledge, and the effect of rapid technological advances on professional competence are major factors underlying the University's commitment towards alternative approaches to providing education through open learning.

### The Office of Open Learning

The Office of Open Learning is the institutional focus for distance education, continuing education, and the Open Learning program. As such, the Office of Open Learning supports departments in the development and delivery of open learning activities. Courses and programs cover a broad spectrum of learning needs which include professional updating programs and general interest/knowledge enhancing courses.

### The Open Learning program

The Open Learning program is an open admission distance-only part-time mode of study that provides access to degree-credit university courses for individuals who wish to study independently but are not interested in pursuing a degree at the University of Guelph at the present time. You may register in the Open Learning program, even if you are in another program or are registered at another post-secondary educational institution. The Open Learning program extends the academic resources of the University to those interested in personal enrichment, professional updating, or eventual application to a degree program.

Open Learning program students must complete the same assignments and examinations as those in degree programs and are evaluated using the same standards. Upon successful

completion of a course, learners receive the same credit weight for courses as would apply to courses taken within the degree program.

### **Continuing Education Option**

Those not interested in receiving degree credit for courses may register as continuing education students. Learners taking courses in this way may not be required to complete assignments or related exams.

Further information is available from the Office of Open Learning, 160 Johnston Hall, by email: info@open.uoguelph.ca, by phone 519-767-5000 or at www.open.uoguelph.ca.

#### **Guaranteed Admission to a B.A. Program**

Open Learning program students who have no previous post-secondary experience and have completed four courses, (2.00 credits), with a 70% minimum cumulative average may transfer into the B.A. Program at the University of Guelph.

Applicants are advised to complete two courses (1.00 credit) from the College of Arts and two courses (1.00 credit) in the Social Sciences.

### **Open Learning program Certificates and Diplomas**

Certificate in Communication Process

Certificate in Environmental Citizenship

Certificate in Environmental Conservation

Certificate in Food Science

Certificate in Hospitality Studies

Certificate in Leadership

Diploma in Applied Statistics

Diploma in Public Policy and Administration

(Refer to Certificates & Diplomas in this section for descriptions or contact the Office of Open Learning.)

#### **Open Learning program Courses\***

Please refer to Distance Education in this section for a listing of courses offered through the Open Learning program.

\*please check with the Office of Open Learning regarding the technology and resource requirements (e.g. computer, internet, VCR, DVD, etc.) for the specific course(s) in which you are interested.

#### **Open Learning Scholarships/Bursaries**

#### **Open Learning Bursaries**

The Office of Open Learning (OOL) staff and friends have established and contribute annually to a bursary fund. These funds are intended to provide support for non-degree students, in need of financial assistance, who are wishing to enroll in an Office of Open Learning continuing education activity and/or in the Open Learning program (courses, certificates and diplomas). Apply to the Office of Open Learning by January 30th and July 30th for the following Fall and/or Winter and/or Summer semesters of study with a letter of application outlining financial need with pertinent supporting documentation. Applications must be submitted to: OOL Bursary Award Committee, Office of Open Learning, University of Guelph, Johnston Hall Room 160, Guelph, Ontario, N1G 2W1.

*Qualification(s):* Students with the greatest financial need.

### The Malik Scholarship

Awarded in honor of retired faculty member Professor Henrick Malik, of the Department of Mathematics and Statistics in the College of Physical and Engineering Science.

Qualification(s):	A student in the Open Learning program who achieves at least 80%
	and the highest final grade in a given year in the distance education
	course Statistics for Business Decisions (STAT*2060*DE)
Amount:	One award of \$150

#### **Distance Education**

The Office of Open Learning facilitates the delivery of degree credit courses to students who are typically off-campus or wish to take distance courses in order to accommodate their schedules. The Office of Open Learning assists in course development and preparation and is the focal point of this activity by providing information, student support, and administration. Please refer to the Distance Education heading in this section for the listing of courses offered through the distance format.

Calendars and brochures outlining complete details of activities are available from the Office of Open Learning, Johnston Hall Room 160, 519-767-5000, info@open.uoguelph.ca, or at www.open.uoguelph.ca.

#### **Continuing Education**

The Office of Open Learning annually offers over 100 professional development programs, courses, conferences, and certificates in collaboration with academic departments and/or professional organizations. For detailed information on learning opportunities offered by the Office of Open Learning contact us at tel: 519-767-5000; fax 519 767-1114; email: info@open.uoguelph.ca; website: www.open.uoguelph.ca; or visit us in Johnston Hall Room 160.

### Certificate Program In Couple & Family Therapy Studies

#### (co-sponsored by the Ontario Association for Marriage and Family Therapy)

The Certificate in Couple and Family Therapy Studies is designed to provide practising therapists with specialized training and updating in the needs, problems and changing patterns of couple and family relationships. Systems theory is the primary, although not the only, theoretical orientation within the program. Attention to issues of gender, race, class, ethnicity and culture underlies all aspects of the program. Program faculty are clinical members of the American Association for Marriage and Family Therapy (AAMFT) and AAMFT-approved supervisors.

Courses in this program are designed to meet the education requirements for Clinical Membership in the American Association for Marriage and Family Therapy. All courses are delivered at a level of rigour equivalent to that of a Master's degree and require completion of a formal evaluation component, marked according to University of Guelph grading standards. Individuals successfully completing the required course of study will receive the Certificate in Couple and Family Therapy Studies from the University of Guelph and the Ontario Association for Marriage and Family Therapy. While completion of all six courses in the certificate program is encouraged, students are welcome to take courses for general interest or specific upgrading, provided they have adequate background and/or preparation. It is strongly recommended that students pursue a concurrent program of clinical practice and supervision. Prerequisite: A Bachelor's degree.

### Required Courses

Theories & Methods of Family Therapy: Foundations of the Field

Theories & Methods: Post-Modern Models

Theories & Methods of Couple Therapy

**Elective Courses (Choose 3)** 

Violence in Families

Intensive Sex Therapy Training Program

Families in Transition: Divorce, Single Parenting and Re-marriage

Change Strategies in Therapy

Research in Marriage and Family Therapy

Professional Issues in Marriage and Family Therapy

Family Therapy and Mental Health

Spirituality: A New Story in Couple and Family Therapy

Couple and Family Therapy with LGBT Clients and their Families

Systemic Approaches with the Addicted Client: Assessment and Intervention

For details and to apply visit http://www.open.uoguelph.ca/certcfts/.

### **Diploma in Agricultural Communications**

The Diploma in Agricultural Communications is designed for students looking to strengthen their ability to communicate complex issues about agriculture, agri-food, the environment and life sciences. Students will enhance and develop skills through their studies, which incorporte communication theory and applied knowledge, resulting in a more effective communicator and professional.

#### Required Courses

Agricultural Communications Studio I

Agricultural Communications Studio II

Agricultural Communication Theory in Action

Ethics in Leadership

Agricultural Communication Internship

For details and to apply, please visit http://www.agcommunications.ca/.

#### **Diploma in Human Resources Management**

Human resources management is a system of interrelated activities including training and development, compensation management, and labour relations that work towards satisfying organizational goals and objectives. Typically, managers in smaller organizations are responsible for these activities in addition to other operational responsibilities. In larger organizations, the human resources department generally has subject specialists who oversee each function area. Regardless of how the system of activities is administered, individuals responsible for managing a group of employees should have a practical understanding of management tools and techniques to effectively work with the most important resource in their organizations - their people.

The Diploma in Human Resources Management program provides essential management foundation skills and knowledge with particular emphasis on relating practitioner principles, policies and procedures to "real world" situations. Courses in the Diploma meet the HRPAO academic program requirements. This program consists of 10 courses and is designed to meet the learning needs of individuals who currently work in a human resources environment or who have ambition to do so.

#### **Required Courses**

Human Resources Administration Organization and Management Finance and Accounting Concepts Occupational Health and Safety Salary Administration and Benefits Training and Development Human Resources Labour-Management Relations Human Resource Planning Recruitment and Selection **One of the following two courses by distance education**:

 PSYC\*3070\*DE
 [0.50]
 Psychology in Human Resource Management

 PSYC\*3080\*DE
 [0.50]
 Organizational Psychology

 For details and to apply, please see http://hr.open.uoguelph.ca/.

#### **English Language Certificate Program**

The English Language Certificate Program is an intensive academic English program designed to prepare ESL students aged 18 and over for academic study at the undergraduate and graduate level. Daily classes in grammar, reading, writing, listening and speaking help students achieve the advanced level English skill needed to be successful in academic studies. A student who successfully completes the Advanced level with an average of 75% earns the University of Guelph Certificate of English Proficiency. Applicants must have a minimum of intermediate level English skill, and have an academic goal to study at a university.

#### Academic Writing at the Graduate Level

This online course introduces future and current graduate students to the writing requirements of graduate study in a Western university. Students study and analyze different types (genres) of writing from the three disciplinary areas of arts, the physical and natural sciences, and the social sciences in order to better understand these texts' function, audience and organization. These texts include abstracts, research proposals and thesis chapters. Through a small selection of readings, students are also introduced to the cultural dimension of graduate study at a Western university.

### **Graduate Preparation Program**

This intensive academic preparation program for graduate level students is designed to provide a bridge to academic and cultural life in a Western university. Classes in this two-semester program include: Academic Writing Skills, Research Skills, Oral Presentation Skills, Lecture Note-taking Skills, Critical Thinking Skills, Academic Culture and Environment, Teaching Skills for Graduate Assistants, Understanding Canadian Culture and Conversation Practice.

# Academic Writing for Teachers of English as a Foreign Language (EFL), Level 1

This online course is designed to develop and improve the writing skills of English teachers who are not native English speakers, and who are teaching English writing to students planning to study in a Western university. This course takes a functional approach to developing EFL teachers' academic writing skills through the analysis of a number of short texts to learn about different types of academic texts and their purposes. Students develop the language used to describe, reason, analyze and evaluate in a supportive, interactive multimedia environment. The course includes a cultural component as students are introduced to the teaching and learning practices and general expectations of a Western university.

### **International Student Certificate Program**

This one-year study abroad program is designed for international university students who do not qualify for traditional university exchange programs. The three-semester program can be configured in one of three combinations of English Language Certificate Program and Open Learning program. Participants must be an undergraduate university student in their home country and should have a letter of permission to study at the University of Guelph.

#### **Equine Science Certificate**

The Certificate consists of six distance education courses taken online. This program is designed to provide horse owners and those working in the equine industry with evidence-based knowledge to improve the health and performance of horses in their care.

#### The courses are as follows:

Management of the Equine Environment

Health and Disease Prevention

Last Revision: January 28, 2008

Growth and Development

Functional Anatomy

Equine Nutrition

Exercise Physiology

For details and to apply, please see http://www.equinesciencecertificate.com

### Landscape/Horticulture Online Certificate Programs

The Landscape/Horticulture Online Certificate Programs include five certificates and over 25 online/web-based courses offered by distance education. Learners may enrol in one or more individual courses or study towards one or more of the certificates.

### **Creating Landscapes Certificate**

The Creating Landscapes Certificate is designed to provide landscape designers, contractors and gardening enthusiasts with the training and skills necessary for creating desirable outdoor living environments. The program refers to historical influences on modern landscape design and discusses the Design Process. Other topics include management principles for operating a successful business, the physical properties and uses of landscape construction material, and incorporating computer technology in creating successful designs.

#### Required Courses:

Landscape Design I

Landscape Design II

Introduction to Landscape Construction

Landscape Plants or Introduction to Plant Identification

Computer Assisted Design

**Business Management Principles** 

For details and to apply, please see http://www.horticulturecertificates.com/.

#### **Maintaining Golf Courses Certificate**

The Maintaining Golf Courses Certificate is designed to provide turf managers and golf superintendents with turf identification and management skills, insight into golf course design and construction techniques, tree care techniques and other best management practices related to the care of golf courses. Challenges such as maintaining healthy playing conditions while respecting environmental needs such as wildlife and water quality are also examined.

#### **Required Courses:**

Turf Management Irrigation Golf Course Design and Construction Weed Management in Turf

Arboriculture

Environmental Management of the Golf Course

For details and to apply, please see http://www.horticulturecertificates.com/.

### The Horticulturist Certificate

This online certificate is designed especially for gardeners wishing to enhance their knowledge and skills relating to the residential garden environment. The impact of soil conditions are a critical aspect of this study program. Basic horticulture and botany are discussed as are principles of plant care for ensuring optimum health. Students will learn about common plant pests and diseases and their effective treatments. They will begin to create beautiful and hardy landscapes through innovative residential garden design tactics and strategies.

#### **Required Courses:**

Cultural Practices for Plants

Introduction to Plant Identification or Landscape Plants

Designing the Landscape

Ornamental Plant Protection

Introduction to Soils and Plant Growth

Weed Management in Horticulture

Growing Plants

For details and to apply, please see http://www.horticulturecertificates.com/.

#### **Growing Plants for Profit Certificate**

In the Growing Plants for Profit Certificate, students will learn how to effectively grow healthy crops while at the same time implementing sound business practices. Plant propagation techniques are thoroughly discussed as are the specifics of both greenhouse and nursery production. Business skills are offered to guide students through the complexities of running a profitable business operation. Plant identification techniques ensure that learners have a good understanding of the most exciting product choices.

#### Required Courses:

Commercial Floriculture

Landscape Plants or Introduction to Plant Identification

Greenhouse Management

Nursery Production

Plant Propagation

**Business Management Principles** 

For details and to apply, please see http://www.horticulturecertificates.com/.

#### Sustainable Landscapes Certificate

The Sustainable Landscapes Certificate is designed for students who wish to learn about innovative strategies which help fortify the relationships between water and land, ensuring care of both environments. Design tactics to retain or enhance naturalized landscapes will be examined. Students will gain knowledge about tree health as it relates to both the individual plant and woodland communities.

**Required Courses:** Alternative Land Use Practices for Sustainable Landscapes Landscape Plants or Introduction to Plant Identification The Naturalized Landscape An Introduction to Woodland Ecology Arboriculture For details and to apply, please see http://www.horticulturecertificates.com/. **Professional Association Affiliations** Several courses have been approved by the following associations and may be applied to each association's respective professional programs: Association of Administrative Assistants Canadian Golf Superintendents Association Canadian Payroll Association Golf Course Superintendents Association of America Human Resources Professionals Association of Ontario Industrial Accident Prevention Association Integrated Pest Management - Plant Health Care Council Ontario Association of School Business Officials Ontario Association for Marriage and Family Therapy Purchasing Management Association of Canada

### Summer Studies (Summer Semester)

Because the university operates on a three semester system, a broad range of course offerings is available in the Summer Semester (May to August). During the summer months, degree credit courses are offered in a variety of formats to meet the needs of full-time and part-time students both on-campus and off-campus. In addition to regular semester courses running from May to August, there is a summer session (May to June) when degree courses are offered in a six week format. For scheduling information consult the Undergraduate Timetable, available from the Academic Records Section, in the University Centre, Level 3.

Distance education opportunities are also available during the summer. For further details, contact the Office of Open Learning, Room 160, Johnston Hall, by email: info@open.uoguelph.ca, by phone (519) 767-5000 or http://www.open.uoguelph.ca/.