

## 2005-2006 Undergraduate Calendar

The information published in this Undergraduate Calendar outlines the rules, regulations, curricula, programs and fees for the 2005-2006 academic year, including the Summer Semester 2005, the Fall Semester 2005 and the Winter Semester 2006.

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](#).

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# Disclaimer

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## University of Guelph 2005

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The information published in this Undergraduate Calendar outlines the rules, regulations, curricula, programs and fees for the 2005-2006 academic year, including the Summer Semester 2005, the Fall Semester 2005 and the Winter Semester 2006.

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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## Bachelor of Bio-Resource Management Degree (B.BRM)

The University of Guelph, in collaboration with the regional campus at Ridgetown, offers a 20.00 credit program, normally completed over 8 semesters, leading to a Bachelor of Bio-Resource Management degree (B.BRM). This degree was designed for students who do not intend to pursue post-graduate studies and are strongly focused on securing employment that makes use of the knowledge acquired in their bachelor's degree.

This degree is a unique blend of applied and theoretical learning, with an emphasis on experiential learning opportunities. It is designed for those with a commitment to urban, regional, and/or rural stewardship and service of our living resources.

This degree program is not open until Fall 2006. At that time it is anticipated that two majors, Horticulture Management and Environmental Management (pending), will be available.

### Program Information

Students are required to follow the Schedule of Studies for the major in Horticulture Management. A solid grounding in applied aspects of science, technology and business provides graduates with sufficient breadth or expertise to become knowledgeable managers in all aspects of the horticultural business. The first 10.00 credits are available through the Ridgetown campus, and the additional 10.00 credits are available through the Guelph campus.

### Academic Advising and Counselling

#### Program Counselling

Program Counsellors are available at both the Ridgetown and Guelph campuses to assist students with course selection and other questions pertaining to the degree program. For information about how to contact a program counsellor, and for more information about academic advising and program counselling, see Section VII -- Academic Counselling of the current Undergraduate Calendar

#### Academic Advising

On entering the program all students are assigned to a faculty advisor who will mentor them throughout their first two years. The faculty advisor is familiar with the academic requirements of the program and is aware of career opportunities. Students are strongly encouraged to attend all meetings called by their advisor, and to set up individual meetings with him/her when they have questions or concerns about their performance or progress in the program.

#### Continuation of Study

Students are advised to consult the regulations for Continuation of Study which are outlined in detail in Section VIII -- Undergraduate Degree Regulations & Procedures in the current calendar. Students in the B.BRM program may repeat any failed course only once. Failure to successfully complete a required (core) credit on the second attempt results in the student not being permitted to continue in his/her major and/or degree program.

#### Conditions for Graduation

To qualify for the degree Bachelor of Bio-Resource Management, the student must satisfy the following conditions:

- the student must have successfully completed the Schedule of Studies requirements for the specified major
- the student must have a cumulative average of 60% or higher.

#### Schedule of Studies

Courses specified in the Schedule of Studies are required courses and must be successfully completed. A full time course load normally includes 2.50 credits (normally 5 courses). Students must successfully complete a minimum of 4.00 university credits and/or course equivalents at the 3000 level or higher, of which at least 1.00 credit must be at the 4000 level. In addition to core requirements, students must successfully complete at least 4.00 credits from the list of Restricted Electives.

### B.BRM Program Regulations

#### Entry Credits

Students entering the degree program who are deficient in U level Biology, Mathematics, or Chemistry should consult with the program counsellor. Information about Summer semester courses will be available through Ridgetown College.

It is recommended that prior to enrolment in the degree program, students lacking Grade 12U Advanced Functions and Introductory Calculus enrol in the non-credit course "Getting Ready for Calculus" offered through the Office of Open Learning.

In general, the 4U or OAC credit or its equivalent is required in a subject area to allow entrance to the initial university course. Students who lack this requirement can remedy the deficiency by successful completion of BIOL\*1020 for students lacking biology, CHEM\*1060 for students lacking chemistry, and MATH\*1000 for students lacking "advanced functions and introductory calculus". Not more than one of the above courses will be allowed for credit towards the B.BRM degree.

#### Special Expenses

Expenses for field trips can range from \$20 to \$50 per semester in the first 4 semesters and from \$25 to \$50 in each of the last 4 semesters. In certain courses modest expenses will be incurred for supplies.

## Provisional Schedule of Studies

### Horticulture Management Major

This major will require the completion of 20.00 credits.

#### Semesters 1 to 4 offered at the Ridgetown campus

##### Semester 1- Fall

AGEC*1100	[0.50]	Introduction to Business
CIS*1000	[0.50]	Introduction to Computer Applications
HORT*1050	[0.50]	Introduction to Horticultural Management
SOIL*2010	[0.50]	Soil Science *

One of:

HORT*1060	[0.50]	Plant Identification I. Woody Landscape Plants
HORT*1080	[0.50]	Fruit and Vegetable Production

\*(Note: Students deficient in U level Biology must register in BIOL\*1020 in place of this course).

##### Semester 2 - Winter

BIOL*1030	[0.50]	Biology I
AGR*1050	[0.50]	Communication Skills

0.50 restricted electives

One of:

HORT*1100	[0.50]	Plant Propagation Techniques
ENVB*1010	[0.50]	Food Crop Pest Management**

One of:

SOIL*2010	[0.50]	Soil Science
(if BIOL*1020 was selected in Semester 1)		
(Note SOIL*2010 must be taken if not taken in Semester 1)		
HORT*1200	[0.50]	Advanced Vegetable Production
EDRD*1150	[0.50]	Landscape Design I

\*\*students deficient in either U level Mathematics or Chemistry must register for either MATH\*1000 or CHEM\*1060 in place of these courses.

##### Semester 3- Fall

CHEM*1300	[0.50]	Introductory Environmental Chemistry
AGEC*2220	[0.50]	Financial Accounting
AGR*2100	[0.50]	Human Resource Management
BIOL*1040	[0.50]	Biology II

One of:

HORT*2060	[0.50]	Plant Identification II
HORT*2010	[0.50]	Greenhouse Management

##### Semester 4- Winter

AGEC*2230	[0.50]	Management Accounting
HORT*2200	[0.50]	Integrated Project

1.00 restricted electives

One of:

AGEC*2110	[0.50]	Sales and Sales Management
COST*1000	[0.50]	Introduction to Marketing Management

#### Semesters 5 to 8 offered on Guelph campus

##### Semester 5- Fall

AGR*3500	[0.50]	Experiential Education
AGEC*3100	[0.50]	Applied Project and Production Management

1.00 restricted electives

One of:

ENVB*2040	[0.50]	Biology of Plant Pests
BOT*3410	[0.50]	Plant Anatomy

##### Semester 6 - Winter

STAT*2060	[0.50]	Statistics for Business Decisions
HORT*3150	[0.50]	Environmental Issues in Horticulture

0.50 restricted electives

0.50 electives

One of:

BOT*3310	[0.50]	Plant Physiology
PBIO*3110	[0.50]	Crop Physiology

##### Semester 7 - Fall

AGR*4150	[0.50]	Experiential Education II
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0.50 restricted electives

One of:

MET*2020	[0.50]	Agrometeorology
SOIL*3080	[0.50]	Soil and Water Conservation

##### Semester 8 - Winter

AGEC*4100	[0.50]	Strategic Business Project
AGR*4050	[0.50]	Professionalism and Agrology

0.50 restricted electives

1.00 electives

**Horticulture Management Major Restricted Electives**

In addition to the 13.50 required credits listed above, students must take a minimum of 4.00 restricted electives throughout the program. Students must select at least 2.50 credits from List A (Science and Discipline) and at least 1.50 credits from List B (Business).

**List A: Science and Discipline****Available at Regional Campus**

CROP*2150	[0.50]	Organic Crop Production
EDRD*1150	[0.50]	Landscape Design I
EDRD*2050	[0.50]	Landscape Construction and Planning
EDRD*2150	[0.50]	Graphic Communications and CAD
ENVB*2070	[0.50]	Tree Biology and Management
HORT*1200	[0.50]	Advanced Vegetable Production
HORT*2010	[0.50]	Greenhouse Management
HORT*2050	[0.50]	Greenhouse Crop Production
HORT*2080	[0.50]	Horticulture Weed Science
HORT*2100	[0.50]	Nursery Management

**Available by Distance Education**

LARC*1950	[0.50]	History of Cultural Form I
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**Available at Guelph Campus**

BOT*2100	[0.50]	Life Strategies of Plants
ENVB*3030	[0.50]	Pesticides and the Environment
ENVB*3040	[0.50]	Natural Chemicals in the Environment
ENVB*3110	[0.50]	Natural History of Insects
ENVB*3210	[0.50]	Plant Pathology
GEOG*3320	[0.50]	Agriculture and Society
HORT*3220	[0.50]	Turf Management
HORT*3340	[0.50]	Culture of Plants
HORT*4250	[0.50]	Nursery Production
HORT*4300	[0.50]	Postharvest Physiology
LARC*2100	[0.50]	Landscape Analysis
LARC*2410	[0.50]	Site Engineering
LARC*2820	[0.50]	Urban and Regional Planning
LARC*3040	[0.75]	Site Planning and Design Studio
LARC*4620	[1.00]	Internship in Landscape Architecture
MET*2020	[0.50]	Agrometeorology
REXT*2000	[0.50]	Introduction to Rural Extension
REXT*3000	[0.50]	Program Development and Evaluation
REXT*3100	[0.50]	Teaching and Learning in Non-Formal Education
REXT*4100	[0.50]	Leadership Development in Rural Organization
SOIL*2120	[0.50]	Introduction to Environmental Stewardship
SOIL*3050	[0.50]	Land Utilization
SOIL*3200	[0.50]	Environmental Soil Biology
SOIL*4090	[0.50]	Soil Management

**List B: Business****Available at Regional Campus**

AGEC*2120	[0.50]	Business Marketing
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**Available by Distance Education**

COST*1000	[0.50]	Introduction to Marketing Management
PSYC*1100	[0.50]	Principles of Behaviour
PSYC*1200	[0.50]	Dynamics of Behaviour
SOC*1100	[0.50]	Sociology

**Available at Guelph Campus**

AGEC*4210	[0.50]	World Agriculture and Economic Development
AGEC*4250	[0.50]	Business Policy
AGEC*4370	[0.50]	Marketing Management
COST*2600	[0.50]	Fundamentals of Consumer Behaviour
ECON*1100	[0.50]	Introductory Macroeconomics
ECON*2410	[0.50]	Intermediate Macroeconomics
ECON*2740	[0.50]	Economic Statistics
ECON*3560	[0.50]	Theory of Finance
MATH*1080	[0.50]	Elements of Calculus I
REXT*3080	[0.50]	Technology in Extension