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About the Multidisciplinary Major in Agricultural Studies for the Post-Diploma B.Sc.

## Approved Two-Year College Diplomas

## Program Planning Guide

Current and past Program Planning Guides are available on the UofL website at www.uleth.ca/ross/ppgs/ppg.html

Calendar Year: 2011/2012
Faculty: Arts \& Science

The Post-Diploma B.Sc. degree program in Agricultural Studies employs a multidisciplinary perspective, including courses in Agricultural Studies, Biological Sciences, Economics and Geography. The multidisciplinary nature of the program is complementary to the technical training from agricultural colleges and creates a distinctive program in agricultural education. This program is enriched by the chance for students to gain practical skills through Co-op studies, summer employment opportunities and Applied and Independent Studies with professors and scientists.

At the time of printing (March 2011), the following two-year college diplomas have been approved:

## Assiniboine Community College

 AgribusinessGrande Prairie Regional College
Animal Health Technology

## Lakeland College

Agri-Business
Agro-Environmental Technology
Animal Health Technology
Animal Science Technology
Crop Technology
Diversified Livestock Production (prior to 2004)

Herd Health Technology (prior to 2006)
Livestock Production

## Lethbridge College

Agricultural Technology: General Agriculture (prior to 2004), Animal Science, Financial Management (prior to 2004), Plant and Soil Science, and Irrigation Production (prior to 2004)

Northern Alberta Institute of Technology (NAIT)
Animal Health Technology
Golf Course Turfgrass Management (formerly
Turfgrass Management Technology)

For a complete listing of approved diploma programs, see UofL's Post-Diploma Degree Programs website: www.uleth.ca/postdiploma

A student who successfully completes this degree program and major may apply to the Alberta Institute of Agrologists (AIA) to be registered as a Professional Agrologist within Alberta. Students should contact the Coordinator of Agricultural Studies early in the program for further information.

Students should contact the Coordinator of Agricultural Studies and the Student Program Services Office (SU060 I phone: 403-329-5106) for further information.

A Co-op option, requiring three work terms, is available. Students interested in the Co-operative Education/Internship program should contact the Coordinator of Co-operative Education in the Career Resources Centre (AH154 I phone: 403-382-7154) for further information.

## Program Requirements

## Transfer Credit

The post-diploma B.Sc. degree with a major in Agricultural Studies requires at least 20 semester courses with a minimum cumulative grade point average of 2.00 .

Remember that you may use both University of Lethbridge credit and credit transferred from another college or university to meet degree and major requirements. Transfer credit may be either specified or unspecified. Specified credit is indicated on your transcript by the subject name and the specific number of the course, e.g., Biology 1010, Geography 1000, etc. Unspecified credit (1XXX, 2XXX, etc.) is indicated by the subject name and level of the course in parentheses, e.g., Biology ( 1000 level), Geography ( 2000 level), etc.

## Unspecified Course Credit

Unspecified course credit means that the University of Lethbridge does not offer the same course you transferred in, but we recognize it and treat it as a regular course. An unspecified course would count as one of your maximum of 20 from one department, but it could not meet a specific course requirement. For example, if Biology 1010 is required in your program, you could not use Biology ( 1000 level) to fulfill that requirement. Students with unspecified transfer credit need to consult an Academic Advisor to establish how the transfer credit fits in the degree program. This should be done as soon as possible after transfer credit is awarded.

## Program Worksheet

Name:
A. Required core ( 12 courses):

1. Agricultural Studies 1000 - The Evolution of Agriculture
2. Agricultural Studies 3300 -Modelling of Agricultural Systems
3. Agricultural Studies 4000 - Seminars in Agricultural Issues Series
4. Biology 1010 - Cellular Basis of Life
5. Economics 1010 - Introduction to Microeconomics
6. Economics 3220 - Environmental Economics
7. Economics 3300 - Agricultural Policy I
8. *Geography 3210 - Agricultural Geography
9. Statistics $\mathbf{1 7 7 0}$ - Introduction to Probability and Statistics
10. One of:
_ Philosophy 2001 - Introduction to Ethics
Philosophy 2236 - Environmental Philosophy
** Philosophy 3402 - Biomedical Ethics
11. One of:
__ English 1900 - Introduction to Language and Literature
History 1000 - Western Civilization
Philosophy 1000 - Introduction to Philosophy
Religious Studies 1000 - Introduction to World Religions
12. ** One additional course from List I (Fine Arts and Humanities Courses)
*Students in the Post-Diploma B.Sc. in Agricultural Studies are considered to have the background that satisfies the Geography prerequisite (Geography 2210) for Geography 3210.
**Students should choose Philosophy 1000 as background preparation if choosing Philosophy 3402.

ID :
B. Choose one of the following streams, each consisting of eight courses:
Biological Sciences Stream (EIGHT courses)
_1. *Biology 2000 - Principles of Genetics
2. *Biology 2200 - Principles of Ecology
3. Chemistry 1110 - Chemistry for Life Sciences I
4. Chemistry 2120 - Chemistry for Life Sciences II
$5-8$. Four of:

${ }^{*}$ Students in the Post-Diploma B.Sc. in Agricultural Studies are considered to have the background that satisfies the prerequisite for each of these courses.
** Prerequisite required: Biochemistry 2000.
***Prerequisite required: Environmental Science 2000.
**** Prerequisite required: Biology 3210.
Note: $\quad$ Students choosing to complete courses in the Biological Sciences Stream that require additional prerequisites will need to complete more than the minimum 20 courses for the Post-Diploma B.Sc.
Note: $\quad$ Students may count Special Topics courses (i.e., Biology 3850 and Biology 4850) toward the Biological Sciences Stream provided:

1. They are clearly related to the Stream; and,
2. They are approved by the Coordinator of Agricultural Studies.

Note: $\quad$ Students may include a maximum of two Special Topics courses in their degree program.


## Optional Concentrations

## Concentration: Agricultural Business

Students in the Post-Diploma B.Sc. in Agricultural Studies degree program may declare a Concentration in Agricultural Business.
In addition to the minimum of 20 courses required for this degree program, students must complete a minimum of FIVE courses for the Concentration in Agricultural Business as follows:
a. For holders of diplomas other than diplomas in Agribusiness, the required courses include:

1. Management 2100 - Introductory Accounting
2. Management 3020 - Marketing

3-5. Three of:
Economics 3030 - Managerial Economics
Economics 3080/Management 3780 -Principles of Industrial Organization
Management 3010 - Management Law
Political Science 2410 - Public Administration

* Political Science 3420/Management 3050 Human Resource Management
* Has prerequisites: Students should choose Political Science 2410 for this concentration and also need to complete Writing 1000 or a university English course ( 3.0 credit hours).
b. For holders of diplomas in Agribusiness, the required courses include:

[^0]Note: Students may not double count courses required for the Concentration in Agricultural Business in fulfilling requirements for the General Liberal Education core. Students must select a List II course that is not required for the Concentration in Agricultural Business.
For students who complete, in addition to the minimum 20 courses for this B.Sc. degree program, all five courses (as specified in a. or b. above), the Concentration in Agricultural Business will be acknowledged on the official transcript.

## Concentration: Geographical Information Science

Students in the Post-Diploma B.Sc. in Agricultural Studies degree program may declare a Concentration in Geographical Information Science.

## Required courses:

## - 1-4. Four of:

__ $\quad$ Geography 3700 - Cartography OR Geography 4730 - Spatial Statistics
*Geography 4400 - Hydrology II OR *Geography 4415 - Integrated Watershed Management
Geography 4700 - Advanced Computer Mapping
Geography 4710 - Remote Sensing Field Techniques
*Geography 4725 - Advanced Remote Sensing
*Geography 4740 - Advanced Geographical Information Systems
Geography 4751 - Seminar in Spatial Modelling
Geography 4752 - Seminar in Geographical Information Systems
Geography 4753 - Seminar in Remote Sensing
5. Required cognate:

- Computer Science 1620 - Fundamentals of Programming I
*Students may not double count courses required for the Concentration in Geographical Information Science in fulfilling requirements for the Geography Stream. In such cases, students must select another option from the Geography Stream.
For students who complete, in addition to the minimum 20 courses for this B.Sc. degree program, all five courses, the Concentration in Geographical Information Science will be acknowledged on the official transcript.


## Sample Sequencing Plan

Shown below is a sample sequence of courses for your degree. If you follow this plan, you should be able to graduate in two years, provided you complete five courses per semester. This is just one example of how you could complete your major and degree requirements; you may find that a different sequence works as well as this one.

## Biological Sciences Stream

Year 1, Fall
Agricultural Studies 1000
Biology 1010
Chemistry 1110
Economics 1010
One of: English 1900,
History 1000, Philosophy 1000,
Religious Studies 1000

## Year 2, Fall

Agricultural Studies 3300
Biology 2200
Biology 3000/4000 level
Economics 3300
Geography $3210^{2}$
${ }^{1}$ Semester of offering may vary.
${ }^{2}$ Students in the Post-Diploma B.Sc. in Agricultural Studies are considered to have the background that satisfies the Geography prerequisite (Geography 2210) for Geography 3210. Semester of offering may vary.

Note: Students choosing to complete requirements for the Concentration in Agricultural Business or in Geographical Information Science should contact the Program Coordinator and/or Arts and Science Student Program Services early in their program for assistance in planning sequencing for the required courses.

## Terms Used

GLER course: A course that could count toward the General Liberal Education Requirement. You may use courses in your major towards this 12 -course requirement. See the 2011/2012 University of Lethbridge Calendar, Part 4 - Academic Regulations (p. 85) for complete information.

Elective: A course that you may choose freely from all those available and applicable to your program. Use courses inside or outside your major, bearing in mind any restrictions that may apply (e.g., a maximum of 20 courses from any one department).

## Geography Stream

## Year 1, Fall

Agricultural Studies 1000
Biology 1010
Economics 1010
One of: English 1900,
History 1000, Philosophy 1000,
Religious Studies 1000
GLER course (List I)

Year 2, Fall
Agricultural Studies 3300
Economics 3300
Geography $3210^{3}$
Required Stream course
Required Stream course

Year 1, Spring
Economics 3220
One of ${ }^{1}$ :Philosophy 2001,
Philosophy 2236 or
Philosophy 3402
Statistics 1770
Required Stream course (2000 level) ${ }^{2}$
Required Stream course (2000 level) ${ }^{2}$

## Year 2, Spring

Agricultural Studies 4000
Required Stream course
Required Stream course
Required Stream course Required Stream course

[^1]
[^0]:    _ 1. ${ }^{*}$ Management 3040 - Finance
    2. One of:
    __ Management 3470 - Corporate Finance
    *Management 4230 - Marketing Management
    3-5. Three of:

    - Economics 3030 - Managerial Economics

    Economics 3080/Management 3780 -Principles of Industrial Organization

    * Management 3061 - Information Systems and Management
    * Management 3210 - Consumer Behaviour
    *Management 4220 - International Marketing
    Political Science 2410 - Public Administration
    *Students who hold diplomas in Agribusiness are considered to have background that satisfies the Management prerequisites for these required courses and may not receive credit for Management 2030 or Management 2000 (prior to 2003/2004), Management 2060, Management 2400 or Management 3020 at the University of Lethbridge.
    Note: Students who choose Management 3210 must complete either English 1900 or Writing 1000 as a prerequisite for this course.

[^1]:    1 Semester of offering may vary.
    2 Students should complete 2000-level courses in order to satisfy prerequisites for other chosen courses in the Geography Stream.
    ${ }^{3}$ Students in the Post-Diploma B.Sc. in Agricultural Studies are considered to have the background that satisfies the Geography prerequisite (Geography 2210) for Geography 3210. Semester of offering may vary.
    Note: Students choosing to complete requirements for the Concentration in Agricultural Business or in Geographical Information Science should contact the Program Coordinator and/or Arts and Science Student Program Services early in their program for assistance in planning sequencing for the required courses.

