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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

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

Approved Two-Year College Diplomas

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

Assiniboine Community College

Agribusiness

Grande 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)

Lethbridge College

Livestock Production

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)

Olds College

New Olds College programs are currently Note: under review Agricultural Business Agricultural Production and Management (formerly Agricultural Production) Animal Health Technology Crop and Agri-Food Technology Horticulture (prior to 2004) Land Agent Land and Water Resources (formerly Land Resource Management) Ornamental Horticulture **Production Horticulture** Seed and Grain (prior to 2004) **Turfgrass Management**

Saskatchewan Institute of Applied Science and Technology (SIAST)

Veterinary Technology

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

Alberta Institute of Agrologists (AIA)

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.

Where to Go for More Information

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

Co-operative Education

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 | phone: 403-382-7154) for further information.

This is a planning guide and not a graduation check or guarantee of course offerings. You should have a program check done in your final year of studies. Students are responsible for the accuracy of their own programs. The guide should be used in conjunction with the University of Lethbridge Calendar, which is the final authority on all questions regarding program requirements and academic regulations. Contact an Academic Advisor in the Faculty of Arts and Science for advising information.

Agricultural Studies

Program Requirements

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.

Transfer Credit

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: _	ID:	
A. Required12345678	core (12 courses): Agricultural Studies 1000 - The Evolution of Agriculture Agricultural Studies 3300 - Modelling of Agricultural Systems Agricultural Studies 4000 - Seminars in Agricultural Issues Series Biology 1010 - Cellular Basis of Life Economics 1010 - Introduction to Microeconomics Economics 3220 - Environmental Economics Economics 3300 - Agricultural Policy I *Geography 3210 - Agricultural Geography Statistics 1770 - Introduction to Probability and Statistics One of: Philosophy 2001 - Introduction to Ethics Philosophy 2236 - Environmental Philosophy **Philosophy 3402 - Biomedical Ethics 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 **One additional course from List I (Fine Arts and Humanities Courses)	B. Choose one of the following streams, each consisting of eigeourses: 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: Biology 3000 - Gene Expression and Reg Biology 3105 - Signal Transduction **Biology 3310 - Developmental Biology Biology 3400 - Principles of Microbiology Biology 3420 - Animal Physiology Biology 3520 - Invertebrate Zoology Biology 3530 - Vertebrate Zoology Biology 3560 - Integrative Plant Biology ***Biology 3500 - Ecosystem and Commun Ecology Biology 3700 - Ecosystem and Commun Ecology Biology 4100 - Advances in Agricultural Biotechnology ****Biology 4170 - Plant Biotechnology Biology 4560 - Plant Development **Students in the Post-Diploma B.Sc. in Agricultural Studies are considered the background that satisfies the prerequisite for each of these courses.
		** Prerequisite required: Biochemistry 2000.

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- l to have
- *** Prerequisite required: Environmental Science 2000.
- **** Prerequisite required: Biology 3210.

Note: 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.

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.

Students may include a maximum of two Special Topics courses in their degree

^{*}Students in the Post-Diploma B.Sc. in Agricultural Studies are considered to have the background that satisfies the Geography prerequisite (Geography 2210) for

^{**} Students should choose Philosophy 1000 as background preparation if choosing

ght

Geography 4065 - Irrigation Science Geography 4200 - Project in Agricultural Geography Geography 4400 - Hydrology II Geography 4415 - Integrated Watershed Management Geography 4725 - Advanced Remote Sensing Geography 4740 - Advanced Geographical Information Systems
Post-Diploma B.Sc. in Agricultural Studies are considered to have that satisfies the prerequisite for each of these courses. Jount Special Topics courses (i.e., Geography 3850 and 1) toward the Geography stream provided: arly related to the stream; and, proved by the Coordinator of Agricultural Studies. The stream of the constration in Geographical Information of the complete Geography 2700, Geography 2735, Geography 3720, and 1) among the eight courses required in the Geography Stream. It refer to the current Calendar to ensure they have completed the r the above courses.
or double count courses required for the Concentration in Issiness in fulfilling requirements for the General Liberal Students must select a List II course that is not required for the in Agricultural Business. Inplete, in addition to the minimum 20 courses for this , all five courses (as specified in a. or b. above), the icultural Business will be acknowledged on the official graphical Information Science Diploma B.Sc. in Agricultural Studies degree program may on in Geographical Information Science. It of: * 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 4751 - Seminar in Spatial Modelling Geography 4751 - Seminar in Geographical Information Systems Geography 4752 - Seminar in Remote Sensing Geography 4753 - Seminar in Remote Sensing quired cognate: Computer Science 1620 - Fundamentals of Programming I of double count courses required for the Concentration in Information Science in fulfilling requirements for the Geography acases, students must select another option from the Geography applete, in addition to the minimum 20 courses for this will be acknowledged on the official transcript.

Year 1, Spring

Biology 2000

Chemistry 2120

Economics 3220

One of ¹:Philosophy 2001,

Philosophy 2236 or

Philosophy 3402

Year 2, Spring

Agricultural Studies 4000

Biology 3000/4000 level

Biology 3000/4000 level

Biology 3000/4000 level

GLER course (List I)

Statistics 1770

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 3210²

¹ 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).

Year 1, Spring

Required Stream course

Required Stream course

Geography Stream

Year 1, Fall

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

¹ Semester of offering may vary.

Required Stream course

Required Stream course

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.



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.

Students should complete 2000-level courses in order to satisfy prerequisites for other chosen courses in the Geography Stream.

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