NEW, REVISED, OR DELETED PROGRAM COVER SHEET
2007-2008
University Curriculum Committee
Undergraduate Programs (Majors, Minors, Sequences)

DEPARTMENT/SCHOOL <u>AGRICULTURE</u>   DATE <u>August, 2008</u>

CONTACT (S) <u>Paul Walker</u>   EMAIL ADDRESS <u>pwalker@ilstu.edu</u>

A.   **Proposed Action:** (more than one item may be checked if a revision).

    _____   New Major   CIPS CODE _____ (obtain from Planning, Policy Studies and Info Systems)

    _____   New Minor   CIPS CODE _____ (obtain from Planning, Policy Studies and Info Systems)

    ____**X**____   New Sequence

    _____   Change in requirements for major

    _____   Change in requirements for minor

    _____   Change in requirements for sequence

    _____   Other program revisions

    _____   More than 50% of courses in this program are distance education.

    _____   Program deletion

B.   **Summary of proposed action** (see Part A), including title and exact *Undergraduate Catalog* copy for a new or altered program. (See *Catalog* and Program Checklist for format and examples.) Provide a summary of the revisions in addition to the exact current *Catalog* copy.

    Pre-Veterinary Medicine Sequence, B.S. in Agriculture
    See attached for summary of proposed action and exact catalog copy.

C.   **Routing and action summary:**

1. _____ _____ Department/School Curriculum Committee Date Approved Chair	4. _____ _____ College Dean Date Approved
2. _____ _____ Department Chair/School Director Date Approved	5. _____ _____ Teacher Education Council Chair if Date Approved appropriate (10 copies to the Dean of the College of Education)
3. _____ _____ College Committee Chair Date Approved	6. _____ _____ University Curriculum Committee Chair Date Approved (8 copies to UCC Secretary, Moulton 102)

Submit 8 copies of **NEW** Undergraduate proposals to University Curriculum Committee
Submit 8 copies of **REVISED** Undergraduate proposals to University Curriculum Committee
All new and deleted programs (majors, minors, sequences) are routed by the U.C.C. to the Academic Senate. **The Senate rules mandate electronic submission (in MS Word or HTML format) of all materials for Web site posting.**
3/05

Part A: Program Description and Explanation

Institution: Illinois State University

Responsible Department: Agriculture

Proposed Program Title: Pre-Veterinary Medicine sequence within the Agriculture major

Previous Program Title: None

CIPS Code: 01.0000

Date of Implementation: August 15, 2009

Description of the Proposed Change:

The currently existing Agriculture Science and Agriculture Industry Management Sequences are being deleted and replaced by the proposed Animal Science, Pre-Veterinary Medicine, Animal Industry Management, Crop and Soil Science, and Agronomy Management Sequences. Portions of the two deleted sequences will be contained within the five proposed sequences. Under the current program structure, students who planned to apply to veterinarian schools typically selected the Agriculture Science sequence and relied upon the academic and faculty advisors to make them aware of additional requirements.

Catalog copy for the proposed Pre-Veterinary Medicine Sequence is as follows.

Proposed Catalog Copy

Pre-Veterinary Medicine Sequence:

— 36 hours in Agriculture required.
— Required Agriculture courses: AGR 109, 170, 173.01 or 173.02, 272, 275, 282, 283, 286; combination of 380 and one from 381.01 or 381.02 or 381.03 or 398; and choose one from 110, 120, 130, 150, 157. (32-33 hours)
— 4 hours of Animal Science electives.
— Additional required courses: CHE 140, 141, 230, 231, and 242 or 342; MAT 144 or 145; BSC 196 and 197; PHY 108 and 109, or 110 and 111. (35-37 hours)

Course revisions that are relevant to the proposed sequence in Pre-Veterinary Medicine are as follows:

- AGR 109 Introduction to the Agricultural Industry changed from 1 hour to 3 hours.

- AGR 170 Introduction to Animal Science changed from 4 credit hours to 3 credit hours (3 hours of lecture with deletion of the one hour laboratory section)

- AGR 282 revised from Livestock Health and Disease to Physiology of Farm Animals

- AGR 283 revised from Artificial Insemination of Farm Animals to Reproductive Physiology and Artificial Insemination of Farm Animals (editorial change approved through UCC office; memo attached)

- AGR 380 revised from Current Issues in the Beef Cattle Industry to Current Issues in the Livestock Industry
- AGR 381 revised from Beef Cattle Industry to Livestock Industry with sections as follows: AGR 381.01 Livestock Industry – Beef Cattle, AGR 381:02 Livestock Industry – Dairy Cattle, and AGR 381.03 Livestock Industry – Swine

Two new Animal Science laboratories to replace the 1-hour of laboratory credit previously attached to AGR 170 have been proposed:
- AGR 173.01 Introduction to Animal Science Laboratory – Farm Animals (2 hours)
- AGR 173.02 Introduction to Animal Science Laboratory – Companion Animals (2 hours)

Two new Animal Science laboratories to replace the 1-hour of laboratory credit previously attached to AGR 170 have been proposed:
- AGR 173.01 Introduction to Animal Science Laboratory – Farm Animals (2 hours)
- AGR 173.02 Introduction to Animal Science Laboratory – Companion Animals (2 hours)

A new Animal Science elective course has been proposed:
- AGR 386 Animal Welfare

The following Animal Science courses will be deleted:
- AGR 274 Dairy Management
- AGR 276 Swine Management
- AGR 284 Livestock Production Skills
- AGR 290 Horse Science
- AGR 371 Feedlot Management
- AGR 378 Beef Cow – Calf Management

Rationale for the Proposed Change:

As a result of Program Review, recommendations were made for changes to the curricular offerings within the Department of Agriculture. The recommendations included:
1) combine two majors (Agribusiness and Agriculture) into one major (Agriculture);
2) change the sequence offerings to reflect current student/graduate needs;
3) offer fewer courses; and
4) update courses offered where needed.

The Department of Agriculture obtained approval during the previous academic year, through the curricular approval process, to delete the Agribusiness major and to place all sequences within one major, the Agriculture major. After consultation with the Dean of the College of Applied Science and Technology, the Associate Provost, and the Assistant Vice President of Enrollment Management and

Director of Academic Services, the Department of Agriculture is seeking approval to offer ten sequences, which is an increase of three sequences from the current curriculum. Documentation of this consultation is provided in a supporting memo from Associate Provost Murphy (memo attached). Because some key programmatic areas will be elevated from the concentration level to the sequence level, making them more visible, it is anticipated that the proposed changes will enhance recruitment of high quality students.

Current Sequences	Proposed Sequences
Agribusiness	Agribusiness
Food Industry Management	Food Industry Management
Horticulture (editorial name change)	Horticulture and Landscape Management
Agriculture Industry Management (to be deleted)	Agronomy Management Animal Industry Management
Agriculture Science (to be deleted)	Crop and Soil Science Animal Science Pre-Veterinary Medicine
Agriculture Education	Agriculture Education
	Agriculture Communication and Leadership
General Agriculture (to be deleted)	

The 10 proposed sequences share five common learning outcomes or core objectives that provide commonality to a single major. These common learning outcomes insure that students who successfully complete any one of the ten sequences will be able to:

1) list and describe factual knowledge related to Agriculture including terminology, classification, methods and trends;
2) list and describe fundamental principles, generalizations and theories that define Agriculture;
3) apply fundamental Agriculture principles, generalizations and theories to problem solving, critical thinking and decision making activities required by the specified Agriculture disciplines;
4) work with others in a team setting to solve problems and answer questions related to Agriculture; and
5) identify resources required to answer Agriculture related questions or to solve Agriculture related problems.

Because these five common learning outcomes transcend all ten sequences, and because each sequence is more specialized in disciplinary requirements than previously, only one core course (AGR 109 Introduction to the Agriculture Industry) is required in all 10 sequences. The course offerings within the Department of Agriculture include seven discipline specific introductory courses, of which four were

previously required by all sequences. The proposed sequence offering allows each individual sequence to vary in the number of discipline specific introductory courses required.

The Pre-Veterinary Medicine Sequence is designed specifically to prepare students for entry into schools/colleges of Veterinary Medicine. These students will have completed course requirements commonly required for entry into schools/colleges of Veterinary Medicine. From a recruitment perspective, a Pre-Veterinary Medicine Sequence will provide a more visible and more structured program to prospective students who are seeking preparation for veterinarian school.

Expected Impact of Proposal on Existing Campus Programs:

No impact is expected. Requirements for admission to veterinary school are reflected in the course requirements of the proposed sequence. Therefore, all pre-veterinary students, who typically major in biology or agriculture, have been taking the required math, science and physics courses in the past. The increased visibility of the sequence may lead to an increase in the number of pre-veterinary students, but that change is not expected to be significant.

Expected Curricular Changes Including New Courses:

New and revised Courses: All changes are outlined in this proposal.

Expected Impact on Milner Library:

The proposed changes do not impact the resources currently offered in Milner Library.

Anticipated Staffing Requirements:

The proposed changes do not require an increase in faculty or staff.

Anticipated Funding Needs and Sources Funding:

The proposed changes do not affect funding requirements or sources of funding.

	Proposed		General Education
Required Courses, Agriculture	Min cr	Max cr	
AGR 109	3	3	
AGR 170	3	3	
AGR 173.01 or 173.02	2	2	
AGR 272	3	3	
AGR 275	4	4	
AGR 282	3	3	
AGR 283	3	3	
AGR 286	3	3	
380 and 381.01or 381.02 or 381.03 or 398	5	5	
Choose one from 110, 120, 130, 150, 157	3	4	
Animal Science electives	4	4	
Total Agriculture hours required	**36**	**37**	
Other required courses			
CHE 140, 141, 230 and 231	12	12	140 **IC-NSA**
CHE 242 or 342	3	3	
MAT 144 or 145	4	4	145 **IC-M**
BSC 196 and 197	8	8	**IC-NSA**
PHY 108 and 109 or 110 and 111	8	10	108, 110 **IC-NSA**
Total other hours required	**35**	**37**	
Total	**71**	**74**	

ILLINOIS STATE UNIVERSITY
UNDERGRADUATE PROGRAMS
REQUEST FOR NEW PROGRAM APPROVAL
(Report of financial Implications)

Purpose: Proposed new undergraduate programs (degrees, sequences, certificates) must include information concerning how the program will be financially supported to proceed through the curriculum proposal process. Signatures of the College Dean and Provost/Provost representative are required prior to submission of the new program to the College Curriculum Committee.

Procedure: This completed form, with all necessary signatures, is to be attached to new program curricular proposals.

Definition: A "program" can be either a degree, a sequence as part of a degree or a certificate.

Complete the following information:

Department: Agriculture   Date: 9/22/2008

Proposed New Program: BS sequence: Pre-Veterinary Medicine

Person Completing Form: Rob Rhykerd   Contact #: 438-8550

Complete Table I to show student enrollment projections for the program.

TABLE I
STUDENT ENROLLMENT PROJECTIONS FOR THE NEW PROGRAM

	1st year (July – June)	2nd year	3rd year	4th year	5th year
Number of Program Majors (Fall headcount)	3	5	7	9	11
Annual Full-Time Equivalent Majors	3	5	6	8	10
Annual Credit Hours in EXISTING Courses[1]	1,200	1,235	1,270	1,305	1,340
Annual Credit Hours in NEW Courses[1]	45	51	57	63	66
Annual Number of degrees Awarded	0	2	2	4	5

[1] Include credit hours generated by both majors and non-majors in courses offered by the academic unit directly responsible for the proposed program.

Complete Table II (even if no new funding is requested). Show all requested resources including amounts and sources of funds reallocated from other programs or units.

Table II
PROJECTED RESOURCE REQUIREMENTS FOR THE NEW PROGRAM

	1st year (July – June)	2nd year	3rd year	4th year	5th year
FTE Staff[1]	3	3	3	3	3
Personnel Services ($)	214,074	220,496	227,111	233,924	240,942
Equipment and Instructional Needs ($)	7,000	7,210	7,426	7,649	7,879
Library ($)	4,980	5,129	5,283	5,442	5,605
Other Support Services[2] ($)	0	0	0	0	0

[1] Reflects the number of FTE staff to be supported with requested funds. Not a dollar entry
[2] Other dollars directly assigned to the program. Do not include allocated support services.

Budget narrative listing sources of program funding (including sources of reallocated funds).

This proposed sequence is part of a larger curriculum revision that will involve establishing five sequences from two existing sequences. Essentially, the revision will move existing concentrations to the sequence level to improve marketing these programs. Thus, existing faculty and courses will be used to support this proposal. Courses taught in this proposed sequence are currently supported by three faculty member. Their current salaries are reported in the "Personnel Services" for year 1, and subsequent years show a 3% increase to account for raises. "Equipment and Instructional Needs" reflects the portion (10%) of the Departments operating budget ($70,000) allocated to support one of the ten proposed sequences, assuming an even distribution of resources between sequences and a 3% increase for subsequent years. Similarly, the "Library" resources reflect the portion (10%) of the library's budget for agriculture ($49,800) allocated to support this proposed sequence, assuming an even distribution of resources. Because students in this sequence are currently advised through the Agricultural Science sequence, there are no additional "support services" required.

Routing and action summary:

1. _____   _____
    Department/School Curriculum Committee Chair   Date Approved

2. _____   _____
    Department Chairperson/School Director   Date Approved

3. _____   _____
    College Dean   Date Approved

4. _____   _____
    Provost/Provost Representative   Date Approved

5. _____   _____
    College Curriculum Chairperson   Date Approved

6. _____   _____
    Teacher Education Council Chair   Date Approved

7. _____   _____
    University Curriculum Committee Chairperson   Date Approved