

05/02/2016



Proposal to the Senate Educational Policy Committee

PROPOSAL TITLE: Change in the Name of the Technology and Management Concentration in the Major in Animal Sciences, Department of Animal Sciences, College of Agricultural, Consumer and Environmental Sciences

SPONSOR: David J. Miller, Professor of Animal Sciences and Undergraduate Teaching Coordinator, 333-3408, djmille@illinois.edu

COLLEGE CONTACT: Laurie Kramer, Associate Dean and Professor, 333-3380, lfkramer@illinois.edu

BRIEF DESCRIPTION: We propose to change the name of the Technology and Management Concentration to the Food Animal Production and Management Concentration. The requirements for the concentration will not change.

JUSTIFICATION: Graduates, current students and prospective students have all found that the Technology and Management Concentration, the name of the Animal Sciences concentration that is centered on animal management is vague. We believe the ambiguity contributes to the low enrollment in this concentration. A survey of other Animal Sciences departments in the U.S. indicated that, of those that offered concentrations, most had less ambiguous titles related to Food Animal Production and Management (Appendix A). The name of the proposed concentration will make it easier for graduates to communicate to prospective employers the focus of their education. It will be easier for prospective students to find our curricula and compare them to similar curricula among different universities. The name for the new concentration was proposed and discussed at the departmental Courses and Curriculum meeting after a review of names of similar concentrations at other universities with Animal Sciences departments. It was then approved at a departmental faculty meeting.

BUDGETARY AND STAFF IMPLICATIONS:

1) Resources

a. How does the unit intend to financially support this proposal?

The department will cover the costs of signage, advertising and marketing materials.

b. How will the unit create capacity or surplus to appropriately resource this program? If applicable, what functions or programs will the unit no longer support to create capacity?

We anticipate that more students will be attracted to this concentration. The additional tuition from those students will provide additional resources needed for the small increase in student enrollment.

- c. Will the unit need to seek campus or other external resources? If so, please provide a summary of the sources and an indication of the approved support. No additional resources will be sought.
- d. Please provide a letter of acknowledgment from the college that outlines the financial arrangements for the proposed program. No financial arrangements have been requested.

2) Resource Implications

- a. Please address the impact on faculty resources including the changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. The anticipated small increase in enrollment can be accommodated by our current faculty. The increase in teaching costs for laboratories can be paid by the increase in tuition from those students.

- b. Please address the impact on course enrollment in other units and provide an explanation of discussions with representatives of those units. *(A letter of acknowledgement from units impacted should be included.)*
We do not anticipate a change in course enrollments in other units.

- c. Please address the impact on the University Library *(A letter of estimated impact from the University Librarian must be included for all new program proposals. If the impact is above and beyond normal library business practices, describe provisions for how this will be resourced.)*

We do not anticipate an impact on the University Library.

- d. Please address the impact on technology and space (e.g. computer use, laboratory use, equipment, etc.)

We do not anticipate an impact on technology and space.

For new degree programs only: This is not a new program but only a name change.

- 3) Briefly describe how this program will support the University's mission, focus, and/or current priorities. Include specific objectives and measurable outcomes that demonstrate the program's consistency with and centrality to that mission.
- 4) Please provide an analysis of the market demand for this degree program. What market indicators are driving this proposal? What type of employment outlook should these graduates expect? What resources will be provided to assist students with job placement?

- 5) If this is a proposed graduate program, please discuss the programs intended use of waivers. If the program is dependent on waivers, how will the unit compensate for lost tuition revenue?

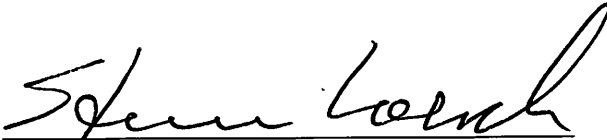
DESIRED EFFECTIVE DATE: Spring Semester 2017 or as soon as possible

STATEMENT FOR PROGRAMS OF STUDY CATALOG: *(All proposals must include either a new or revised version of the entry in the Programs of Study Catalog, if applicable. Entries will be published as approved by the Senate. Future changes in the statement for Programs of Study Catalog which reflect changes in the curriculum, must go through the normal review process at the appropriate levels.)*

The current Program of Study for the Technology and Management Concentration (re-named Food Animal Production and Management Concentration) will not change.

CLEARANCES: (Clearances should include signatures and dates of approval. *These signatures must appear on a separate sheet. If multiple departments or colleges are sponsoring the proposal, please add the appropriate signature lines below.*)

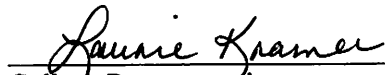
Signatures:



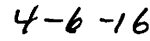
Unit Representative:



Date:



College Representative:



Date:

Graduate College Representative:

Date:

Council on Teacher Education Representative:

Date:

Appendix A:

Institution	Name of Related Concentration
Purdue University	Animal Production
Purdue University	Animal Agribusiness
Iowa State University	Livestock Management
University of Missouri	Animal Production/Business
Michigan State University	Animal Production/Management
University of California-Davis	Animal Sciences and Management
University of Minnesota	Animal Industry and Business
University of Minnesota	Animal Production
Washington State University	Animal Management
Ohio State University	Animal Industries
Penn State University	Animal Business Management

Appendix B:

The requirements for the Technology and Management Concentration follow. The proposal is only to change the name of the Concentration.

TECHNOLOGY AND MANAGEMENT CONCENTRATION

The Technology and Management Concentration is designed for students intending to pursue a career in animal care and management or one of the associated food production industries. It emphasizes the scientific disciplines and the application of technology involved in animal production and animal products, as well as providing the opportunity to enhance a student's practical knowledge through business courses.

Prescribed Courses including Campus General Education

Composition I and Speech	
RHET 105 Writing and Research (or equivalent (see college Composition I requirement))	4
CMN 101 Public Speaking	3
Advanced Composition	
Select from campus approved list.	3-4
Cultural Studies	
One Western culture and one non-Western U.S. minority culture course	6
Foreign Language	
Coursework at or above the third level is required for graduation.	
Quantitative Reasoning I	
Select one of the following:	4-5
MATH 220 Calculus	
MATH 221 Calculus I	
MATH 234 Calculus for Business I	
Quantitative Reasoning II	
Select one of the following:	3-4
ACE 261 Applied Statistical Methods	
CPSC 241 Intro to Applied Statistics	
ECON 202 Economic Statistics I	
PSYC 235 Intro to Statistics	
SOC 280 Intro to Social Statistics	
STAT 100 Statistics	
Natural Sciences and Technology	
CHEM 102 General Chemistry I & CHEM 103 and General Chemistry Lab I	4
CHEM 104 General Chemistry II & CHEM 105 and General Chemistry Lab II	4
MCB 100 Introductory Microbiology & MCB 101 and Intro Microbiology Laboratory	5
Humanities and the Arts	
Courses selected from campus approved list	6
Social and Behavioral Sciences	
ECON 102 Microeconomic Principles or ACE 100 Agr Cons and Resource Econ	3-4
Additional social or behavioral science course; cannot be an economics course.	3-4

ACES required		
ACES 101 Contemporary Issues in ACES		2
Animal Sciences Required		
ANSC 100 Intro to Animal Sciences		4
ANSC 101 Contemporary Animal Issues		3
ANSC 103 Working With Farm Animals		2
ANSC 221 Cells, Metabolism and Genetics		3
ANSC 222 Anatomy and Physiology		3
ANSC 223 Animal Nutrition		3
ANSC 224 Animal Reproduction and Growth		4
ANSC 298 Undergraduate Seminar		1
ANSC 398 UG Experiential Learning		1-5
ANSC 498 Integrating Animal Sciences		2
Technology and Management Concentration Required		
Select four of the following:		12
ANSC 201 Principles of Dairy Production		
ANSC 204 Intro Dairy Cattle Evaluation		
ANSC 205 World Animal Resources		
ANSC 206 Horse Management		
ANSC 209 Meat Animal Carcass Eval		
ANSC 211 Breeding Animal Evaluation		
ANSC 219 Meat Technology		
ANSC 250 Companion Animals in Society		
ANSC 305 Human Animal Interactions		
ANSC 307 Companion Animal Management		
ANSC 310 Meat Selection and Grading		
ANSC 312 Advanced Livestock Evaluation		
ANSC 313 Horse Appraisal		
ANSC 314 Adv Dairy Cattle Evaluation		
ANSC 322 Livestock Feeds and Feeding		
ANSC 370 Companion Animal Policy		
ANSC 400 Dairy Herd Management		
ANSC 401 Beef Production		
ANSC 402 Sheep Production		
ANSC 403 Pork Production		
ANSC 404 Poultry Science		
ANSC 405 Advanced Dairy Management		
ANSC 407 Animal Shelter Management		
ANSC 435 Milk Quality and Udder Health		
ANSC 437 Adv Reproductive Management		
ANSC 471 ANSC Leaders & Entrepreneurs		
Select two of the following:		6
ANSC 306 Equine Science		
ANSC 331 Biology of Reproduction		
ANSC 350 Cellular Metabolism in Animals		
ANSC 363 Behavior of Domestic Animals		
ANSC 366 Animal Behavior		
ANSC 406 Zoo Animal Conservation Sci		
ANSC 409 Meat Science		
ANSC 420 Ruminant Nutrition		
ANSC 421 Minerals and Vitamins		
ANSC 422 Companion Animal Nutrition		

- ANSC 431 Advanced Reproductive Biology
- ANSC 438 Lactation Biology
- ANSC 440 Applied Statistical Methods I
- ANSC 441 Human Genetics
- ANSC 444 Applied Animal Genetics
- ANSC 445 Statistical Methods
- ANSC 446 Population Genetics
- ANSC 448 Math Modeling in Life Sciences
- ANSC 449 Biological Modeling
- ANSC 450 Comparative Immunobiology
- ANSC 451 Microbes and the Anim Indust
- ANSC 452 Animal Growth and Development
- ANSC 453 Stem Cell Biology
- ANSC 467 Applied Animal Ecology
- ANSC 509 Muscle Biology
- ANSC 510 Science of Animal Well-Being
- ANSC 520 Protein and Energy Nutrition
- ANSC 521 Regulation of Metabolism
- ANSC 522 Advanced Ruminant Nutrition
- ANSC 523 Techniques in Animal Nutrition
- ANSC 524 Nonruminant Nutrition Concepts
- ANSC 525 Topics in Nutrition Research
- ANSC 526 Adv Companion Animal Nutrition
- ANSC 533 Repro Physiology Lab Methods
- ANSC 541 Regression Analysis
- ANSC 542 Applied Bioinformatics
- ANSC 543 Bioinformatics
- ANSC 545 Statistical Genomics
- ANSC 554 Immunobiological Methods
- ANSC 561 Animal Stress Physiology

Additional elective courses must be completed to yield at least 126 total Hours for graduation. 23-32

Total Hours **126**

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

EP.16.76

Office of the Provost and Vice Chancellor
for Academic Affairs

Swanlund Administration Building
601 East John Street
Champaign, IL 61820



April 11, 2016

Bettina Francis, Chair
Senate Committee on Educational Policy
Office of the Senate
228 English Building, MC-461

Dear Professor Francis:

Enclosed is a copy of a proposal from the College of Agricultural, Consumer and Environmental Sciences to change the name of the concentration in Technology and Management within the Bachelor of Science in Animal Sciences.

Sincerely,

A handwritten signature in cursive script that reads 'Kathryn A. Martensen'.

Kathryn A. Martensen
Assistant Provost

Enclosures

c: L. Kramer
S. Lee
M. Lowry
R. Chappell
D. Miller
A. Edwards

UNIVERSITY OF ILLINOIS
AT URBANA - CHAMPAIGN

College of Agricultural, Consumer
and Environmental Sciences

Academic Programs
128 Mumford Hall, MC-710
1301 West Gregory Drive
Urbana, IL 61801



April 6, 2016

Kathy Martensen, Assistant Provost
Office of the Provost
207 Swanlund Administration Building
Campus MC-304

Dear Kathy:

I am writing to request campus-level review for a proposal to change the name of the Technology and Management concentration in the Department of Animal Sciences to Food Animal Production and Management. A copy of the proposal in Senate format is attached, along with appendices documenting the requested name change.

Thank you for your consideration. I look forward to receiving your reply.

Sincerely,

A handwritten signature in cursive script that reads "Laurie Kramer".

Laurie Kramer
Associate Dean
ACES Academic Programs

LFK/rhc

cc: S. C. Loerch
D. J. Miller
L. M. Redman
ANSC C&C Binder