

APPROVED BY SENATE
12/07/2020

1PKS0002MANS: ANIMAL SCIENCES, MANSC (ON CAMPUS & ONLINE)

In Workflow

1. U Program Review (dforgacs@illinois.edu; eastuby@illinois.edu; aledward@illinois.edu)
2. 1538 Committee Chair (adilger2@illinois.edu)
3. 1538 Head (rwjohn@illinois.edu; jrevans@illinois.edu)
4. KL Committee Chair (bjgray2@illinois.edu)
5. KL Dean (aball@illinois.edu)
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9. Senate EPC (bjlehman@illinois.edu; kmartens@illinois.edu; moorhouz@illinois.edu)
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11. U Senate Conf (none)
12. Board of Trustees (none)
13. IBHE (none)
14. DMI (eastuby@illinois.edu; aledward@illinois.edu; dforgacs@illinois.edu)

Approval Path

1. Wed, 18 Nov 2020 20:48:53 GMT
Deb Forgacs (dforgacs): Approved for U Program Review
2. Wed, 18 Nov 2020 21:16:41 GMT
Anna Dilger (adilger2): Approved for 1538 Committee Chair
3. Wed, 18 Nov 2020 21:21:59 GMT
Rodney W. Johnson (rwjohn): Approved for 1538 Head
4. Wed, 18 Nov 2020 22:09:37 GMT
Brianna Gregg (bjgray2): Approved for KL Committee Chair
5. Fri, 20 Nov 2020 16:38:00 GMT
Anna Ball (aball): Rollback to 1538 Committee Chair for KL Dean
6. Fri, 20 Nov 2020 19:52:36 GMT
Anna Dilger (adilger2): Approved for 1538 Committee Chair
7. Mon, 23 Nov 2020 15:23:18 GMT
Rodney W. Johnson (rwjohn): Approved for 1538 Head
8. Mon, 23 Nov 2020 15:45:19 GMT
Brianna Gregg (bjgray2): Approved for KL Committee Chair
9. Mon, 30 Nov 2020 15:54:00 GMT
Anna Ball (aball): Approved for KL Dean
10. Mon, 30 Nov 2020 18:31:03 GMT
John Wilkin (jpwilkin): Approved for University Librarian
11. Mon, 30 Nov 2020 22:17:40 GMT
Allison McKinney (agrindly): Approved for Grad_College
12. Mon, 30 Nov 2020 22:26:23 GMT
Kathy Martensen (kmartens): Approved for Provost

History

1. Mar 5, 2020 by Deb Forgacs (dforgacs)

Date Submitted: Mon, 16 Nov 2020 20:19:22 GMT

Viewing: 1PKS0002MANS : Animal Sciences, MANSC (on campus & online)

Changes proposed by: Sandra Rodriguez-Zas

Proposal Type

Proposal Type:

Major (ex. Special Education)

This proposal is for a:

Revision

Proposal Title:

If this proposal is one piece of a multi-element change please include the other impacted programs here. *example: A BS revision with multiple concentration revisions*

Revision of the Animal Sciences, MANSC (key 520) to change the program requirements and the delivery method to include online delivery. The revisions also impact the 4+1 BS/MANSC (key 881) and the 4+1BS(CS+ANSC)/MANSC (key 887) degrees.

EP Control Number

EP.21.033

Official Program Name

Animal Sciences, MANSC (on campus & online)

Effective Catalog Term

Fall 2021

Sponsor College

Agr, Consumer, & Env Sciences

Sponsor Department

Animal Sciences

Sponsor Name

Rodney Johnson (Department Head), Sandra Rodriguez Zas (Director of Graduate Programs)

Sponsor Email

rodrgzzs@illinois.edu

College Contact

Brianna Gregg

College Contact Email

bjgray2@illinois.edu

Program Description and Justification

Justification for proposal change:

The Department of Animal Sciences (ANSC) has offered the non-thesis Master of Animal Sciences (MANSC) program since 2018 and 13 students have graduated or are in the process of completing graduation requirements. Surveys and feedback from students and faculty guide the proposed revision of the program requirements. The revisions will also impact the 4+1 BS/MANSC and the 4+1BS(CS+ANSC)/MANSC degrees.

The proposed revisions address two needs. First, the curriculum changes reflect the academic preparation needs communicated by the MANSC graduates. Second, the curriculum modifications enhance the alignment of learning experiences and opportunities between the students in the MANSC and in the traditional with-thesis Master of Science in Animal Sciences (MS) program. This alignment has been recommended by faculty advisors, instructors, and students in consideration that MANSC and MS students share advisors and may also share some research experiences and course work.

The proposed curricula changes include: a) higher flexibility on the statistic coursework requirements, b) enhanced research project experience, and c) higher flexibility on the credit hour requirement. The revised MANSC program is characterized by: i) overall requirement of 32 credit hours, ii) 12 credit hours of 500-level coursework, iii) 2 credit hour seminar requirement; and iii) at least 12 credit hours in ANSC course offerings. The present MANSC program is characterized by: i) overall requirement of 32 credit hours, ii) at least 12 credit hours of 500-level coursework, iii) 2 credit hour seminar requirement; and iii) at least 20 credit hours in ANSC course offerings.

The revision in the minimum number of credit hours in a statistics course is motivated by two factors, a) the post-graduation careers of many MANSC graduates do not require the statistical analysis expertise resulting from the present requirements, and b) some MANSC research studies (ANSC 593) are adequately supported by fewer credit hours in statistics and data analytics training than the present requirements. The revision of the maximum number of research project credit hours corresponds to the average commitment of MANSC students to impactful and enriching research studies (ANSC 593) mentored by ANSC faculty members. The revised requirement of 12 credit hours of 500-level offerings reflects the abundance of advanced 400-level courses in multiple areas of animal sciences that can benefit the students.

The MANSC program can be completed independent of other programs, or jointly with two baccalaureate (BS) programs, the ANSC 4+1 BS/ MANSC and the 4+1 BS(CS+ANSC)/MANSC. Parallel petitions are proposed to all three implementations of the MANSC program. The undergraduate requirements for the ANSC BS and the CS+ANSC BS remain unchanged.

We also seek to establish an online program code for the MANSC degree program. The motivation to offer an online delivery option of the MANSC program is rooted in three considerations. First, the success of the on campus MANSC program that, since its establishment two years ago, has served 13 domestic students, mostly Midwest residents. During this period, the Department of Animal Sciences (ANSC) has established the academic and administrative infrastructure to assist and support these students throughout their program of studies. Second, a significant increase in the number of graduate-level ANSC courses that have transition into online format in response to recent campus health guidelines. Third, the opportunity for the University of Illinois at Urbana-Champaign to address the global need for advanced animal science preparation while pioneering the offering of a completely online graduate program in animal sciences.

The proposed revision and addition of online delivery of the MANSC program enables ANSC to continue offering advanced and timely graduate-level preparation, ensuring their competitiveness in the labor market or pursue of professional degrees. The revised MANSC program advances the land grant mission of the University of Illinois (UofI), College of ACES and Department of Animal Sciences, strengthens the competitiveness of the corresponding academic units, addresses industry workforce needs, and enhances the likelihood that our graduates will secure high-paying and high-ranking jobs in the areas of food production, health and well-being, environmental conservation, and sustainability.

Corresponding Degree

MANSC Master of Animal Sciences

Is this program interdisciplinary?

No

Academic Level

Graduate

Will you admit to the concentration directly?

No

Is a concentration required for graduation?

No

CIP Code

010901 - Animal Sciences, General.

Is This a Teacher Certification Program?

No

Will specialized accreditation be sought for this program?

No

Admission Requirements

Desired Effective Admissions Term

Fall 2021

Is this revision a change to the admission status of the program?

No

Provide a brief narrative description of the admission requirements for this program. Where relevant, include information about licensure requirements, student background checks, GRE and TOEFL scores, and admission requirements for transfer students.

The proposed revisions to the MANSC graduation requirements do not impact the admission requirements. Applications to the MANSC program require baccalaureate degree transcripts, GPA ≥ 3 , resume, personal statement, Graduate Record Examination (GRE) general test scores, and three letters of recommendation. One letter of recommendation must be provided by an Animal Sciences faculty member committed to advise the student on a particular independent studies project. A departmental committee will evaluate the applications and recommend admissions.

Describe how critical academic functions such as admissions and student advising are managed.

The proposed revisions to the MANSC graduation requirements do not impact the academic functions. The program will be administered by the Department of Animal Sciences Graduate Programs Office including a Director of Graduate Studies and two personnel with graduate contact roles. The student is advised by the Animal Sciences faculty mentor in coursework, research study and career matters and by the Programs Office in administrative matters such as registration and petitions. Faculty members will review applications, make admission decisions, review the research studies memorandum of agreement between the student and advisor, and offer annual evaluations to the student.

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

No significant impact in the enrollment and degree awarded is expected, though a 5% increase in either metric is likely in the next 5 years.

Estimated Annual Number of Degrees Awarded

What is the matriculation term for this program?

Fall

What is the typical time to completion of this program?

1 year

What are the minimum Total Credit Hours required for this program?

32

Delivery Method

Is this program available on campus and online?

No

This program is available:

On Campus and Online

Describe the use of this delivery method:

Both, the face-to-face and the online deliveries of the MANSC program encompass two types of credit hour offerings, traditional courses and seminars and mentored research studies. The face-to-face program is heavily centered on in-person, face-to-face classes and seminars series, and in-person face-to-face interactions with the faculty mentor who advises the student on the research studies project (ANSC 593). Some courses include online sections or are offered completely online, and some seminars can accommodate for remote students.

Students in the online MANSC program will register for online classes and seminars, or offerings that have dual delivery method (e.g. ANSC 422, ANSC 424, ANSC 440, ANSC 444, ANSC 445, ANSC 542, ANSC 525, ANSC 590, ANSC 591). The online course offerings are delivered through Compass 2G (Blackboard). Faculty advising of students in the online MANSC program on ANSC 593 research studies and seminars will use the Zoom platform for virtual face-to-face meetings.

Budget

Are there budgetary implications for this revision?

No

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?

No

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?

No

Technology

Will the program need additional technology beyond what is currently available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/ acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

MANSC_Online Delivery of Programs Supplemental Questions_nov052020docx.docx

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

The proposed revision and online delivery are not expected to have an impact on faculty resources.

Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

The proposed revision and online delivery are not expected to have an impact on the library resources.

Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

No

Does the program include other courses/subjects impacted by the creation/revision of this program?

No

Financial Resources

How does the unit intend to financially support this proposal?

The proposed revision and online delivery are not expected to change the present financial support offered by the unit.

Will the unit need to seek campus or other external resources?

No

Attach letters of support

Final MANSC Tuition Waiver Policy Form signed.pdf
MANSConline_programdesignation_justification_oct272020.pdf
mansc_revision_lettersupportACE_seanfox_oct2020.docx

Are you seeking a change in the tuition rate or differential for this program?

No

Is this program requesting self-supporting status?

Yes

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program's learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

The learning objectives and learning outcomes assessment remain unchanged. Briefly, the MANSC graduate is expected to demonstrate: 1. Graduate-level understanding of essential concepts and approaches in the area of animal science specialization. 2. Capacity to execute a supervised research project including: a) understanding of the scientific method, research objectives, materials and methods, basic data analysis, and appreciation of the findings; and b) leadership on the implementation of essential research activities. 3. Ability to effectively communicate essential disciplinary knowledge and research project findings in oral and written formats. 4. Aptitude to advocate for interdisciplinary research and education efforts to improve food security, food safety, animal and human health and wellbeing or environmental stewardship. The required overall GPA ≥ 3 for graduation helps in the assessment of learning outcome #1. The discipline seminar aids in the assessment of learning outcomes #3. The graded research project report complement the assessment of learning outcomes #2 and #4. Program assessment information is summarized in a report and shared with

the unit executive officer, faculty members at large and affiliated to the graduate program committee, and with members of the graduate student association. Outcomes from the annual study of enrollment, progression, and degree completion information will be discussed. Plans to address weaknesses will be developed in consultation with the previous stakeholders.

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: <https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf>). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs

MANSC_Animal Science side-by-side_aug31 2020.xlsx

Attach a side-by-side comparison with the existing program AND, if the revision references or adds "chose-from" lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text

Catalog Page Text: Description of program for the catalog page. This is not official content, it is used to help build the catalog pages for the program. Can be edited in the catalog by the college or department.

The proposed program revision does not impact the Overview tab in the catalog.
commitment to mentor. A departmental committee will evaluate the applications

Changes to the Degree Requirements TAB:

In consultation with their Animal Sciences faculty advisor, students will select courses that support the individual research studies project and strengthen career opportunities.

The individual research studies project or internship experience and a written report will fulfill the ANSC 593 (Research Studies in Animal Sciences) capstone project requirement. The project or internship and the written product will be supervised by the Animal Sciences faculty mentor and provide evidence that the student can understand and apply the scientific method, interpret scientific information; and effectively communicate scientific information in a field of animal sciences.

Statement for Programs of Study Catalog

Code	Title	Hours
ANSC 590 or ANSC 591	Animal Sciences Seminar ¹ Grad Bioinformatics Seminar	2
ANSC 440 or ANSC 445 or ANSC 448 or ANSC 449	Applied Statistical Methods I ¹ Statistical Methods Math Modeling in Life Sciences Biological Modeling	2 to 5

Elective 400- or 500-level ANSC courses	(excludes ANSC 590, ANSC 591, ANSC 593) ²	17 to 20
ANSC 593	Res Studies in Animal Sciences ³	8
Total Hours		32

Other Requirements

Requirement

Other Requirements and conditions may overlap

Minimum Hours Overall Required Within the Unit: 12

Minimum 500-level Hours Required Overall: 12

Minimum GPA: 3.0

- ¹ Equivalent course requires departmental approval
- ² In consultation with their Animal Sciences faculty advisor, students will select courses that support the individual research studies project and strengthen career opportunities.
- ³ The individual research studies project or internship experience and a written report will fulfill the ANSC 593 (Research Studies in Animal Sciences) capstone project requirement. The project or internship and the written product will be supervised by the Animal Sciences faculty mentor and provide evidence that the student can understand and apply the scientific method, interpret scientific information; and effectively communicate scientific information in a field of animal sciences.

EP Documentation

DMI Documentation

Banner/Codebook Name

MANSC: Animal Sciences - UIUC

Program Code:

1PKS0002MANS

Degree Code

MANSC

Major Code

0002

Program Reviewer Comments

Kathy Martensen (kmartens) (Sat, 14 Nov 2020 16:21:34 GMT):Rollback: From: Moorhouse, Linda <moorhouz@illinois.edu> Sent: Thursday, November 12, 2020 12:02 PM To: Rodriguez Zas, Sandra Luisa <rodrgrzs@illinois.edu> Cc: Martensen, Kathy <kmartens@illinois.edu>; Gregg, Brianna J <bjgray2@illinois.edu> Subject: JP: Animal Sciences BS & MANSC and JP: Computer Science & Animal Sciences, BS & Animal Science, MANSC Hi Sandra: I'm looking at your joint program revisions in CIM-P. In both joint programs (CS+ANSC, BS/MANSC and BS/MANSC), there is a deactivated course listed in the undergrad "to choose from: lists. Does this need to come out of three course lists in the BS and the one course list in the CS+ANSC areas in the Academic Catalog or are you planning to replace it with something else? The course is ANSC 510.

Anna Ball (aball) (Mon, 16 Nov 2020 20:09:45 GMT):Rollback: Per Provost office comments regarding deactivated course

Anna Ball (aball) (Fri, 20 Nov 2020 16:38:00 GMT):Rollback: Attachment needed

Kathy Martensen (kmartens) (Wed, 02 Dec 2020 21:46:05 GMT):Senate Ed Pol Review 12/1/20: The Senate Committee on Educational Policy would like to note that the sponsoring unit for this program has been offering online courses for years, as have other programs in their college, and they have decided to offer the online degree option now. While the current pandemic may have sparked a new demand for an online degree program, the course delivery mode is not new. This proposal was well vetted by EPC, including conversations with the unit's sponsor and the full committee.

Key: 520

Current Program Requirements			Revised Program Requirements		
Code	Title	Hours	Code	Title	Hours
ANSC 590	Animal Sciences Seminar	2	ANSC 590, ANSC 591, or approved equivalent ¹	Animal Sciences Seminar	2
ANSC 440 or ANSC 445	Applied Statistical Methods I or Statistical Methods	4	ANSC 440, ANSC 445, ANSC 448, ANSC 449, or approved One course in statistics or data analytics equivalent ²		2 - 5
500-level courses (excludes ANSC 590, ANSC 592, ANSC 593)		6	Elective 400 and 500-level graded coursework (excludes ANSC 590, ANSC 591, ANSC 593) ³		17 - 20
400- or 500-level ANSC courses (excludes ANSC 590, ANSC 592, ANSC 593, ANSC 440, ANSC 445)		6	ANSC 593 ³	Res Studies in Animal Sciences	8
Other graduate-level electives (excludes ANSC 590, ANSC 592, ANSC 593, ANSC 440, ANSC 445)		8			
ANSC 592 or ANSC 593	Adv Topics in Animal Science or Res Studies in Animal Sciences	6			
Total Hours		32	Total Hours		32
Other Requirements			Other Requirements		
Other Requirements and conditions may overlap			Minimum Hours Required within the Unit: 12		
Minimum GPA: 3.0			Minimum 500-level Hours Required Overall: 12		
			Minimum GPA: 3.0		

ANSC 592 or ANSC 593 Research Studies:
 • In consultation with their faculty advisor, students will select courses that support the individual research studies project and strengthen career opportunities. The individual research studies project or internship experience and a written report will fulfill the ANSC 592 (Advanced Topics in Animal Science) or ANSC 593 (Research Studies in Animal Sciences) capstone project requirement. The project or internship and the written product provide evidence that the student:
 i) understands and can apply the scientific method;
 ii) has the capability to analyze and interpret scientific information; and
 iii) can effectively communicate scientific information in a field of animal sciences. The written product will follow the format

¹equivalent course requires departmental approval
²In consultation with their Animal Sciences faculty advisor, students will select courses that support the individual research studies project and strengthen career opportunities.
³The individual research studies project or internship experience and a written report will fulfill the ANSC 593 (Research Studies in Animal Sciences) capstone project requirement. The project or internship and the written product will be supervised by the Animal Sciences faculty mentor and provide evidence that the student can understand and apply the scientific method, interpret scientific information; and effectively communicate scientific information in a field of animal sciences.

JUSTIFICATION

1. The Department of Animal Sciences requests for the proposed online MANSC to receive the same tuition-waiver policy designation or classification as the in person/on campus MANSC program that was approved originally in 2017.

The classification of the MANSC programs is self-supporting. This classification has worked well in the past 3 years, benefiting the campus, college, and department and students. The MANSC classification has not adversely affected the academic quality of the existing program and no adverse effects are anticipated for the online offering of the program.

2. The students in the MANSC programs are not eligible to hold a waiver generating graduate appointment. Full time employees may be admitted to the MANSC program, but the employee waiver is not eligible for use towards the MANSC program.
3. The MANSC program has not had past practice of offering graduate assistantships.
4. The self-supporting classification of the program is noted in the campus program catalog and in the departmental graduate programs website.



Master of Animal Sciences (MANSC, key 520)

Online Delivery Supplemental Information

Prepared by Sandra Rodriguez Zas (Director of Graduate Programs, ANSC)

Reviewed and approved by Myra Sully (Department Head Asst., ANSC)

Please include this completed form in the CIM-P system with proposals for online delivery of academic programs.

1. What steps are being taken and what commitments are being made to ensure that online delivery supplements rather than replaces face-to-face delivery?

The majority of the departments in the College of ACES have been offering online master programs for many years including 1) MS in Agricultural Education, 2) MS in Crop Sciences, 3) MS in Food Science and Human Nutrition, 4) MS in Natural Resources and Environmental Sciences. Animal Sciences is joining our college peer-units. Also, Animal Sciences departments at other institutions offer online master degree programs including North Carolina State University, Drexel University, Sul Ross State University, and the University of Florida. The answers below stem from the experience of the Department of Animal Sciences at Illinois offering online courses for some years and the proposed online MANSC also benefited from consultation with our peer online programs.

Animal Sciences has been offering online courses for some years, and multiple strategies are already in use to ensure that online and face-to-face delivery complement each other. Instructors and TAs offer both face-to-face and online office hours, and preparation for assessments. With the advent of pandemic health considerations, many of the face-to-face office hours have transitioned into online format. Because the online course offerings encompassed in the MANSC program were established years ago, these strategies were discussed and agreed upon between the individual instructors, the departmental courses and curriculum committee, and the department head.

2. Assessment can be one of the most challenging points of designing a course. How will assessment change from what is employed in face-to-face delivery? How will online courses measurably fulfill the designated learning outcomes of the same face-to-face courses?

Animal Sciences has been offering online graduate-level courses for some years, and multiple strategies are already in use to fulfill the designated learning outcomes of the course and graduate programs. Animal Sciences graduate-level courses have a substantial capstone component. The integrative nature of these experiences enables the graduate students to apply the body of knowledge that they have acquired. Questions and essays on individualized topics or scenarios allow the students to gain understanding of the broader context of the discipline, while the instructor can assess individual student's understanding. These capstone experiences complement baseline assessment on standard concepts and individual participation.

I ILLINOIS

3. Will online courses contain synchronous activities, asynchronous activities, or a combination? How might this differ from face-to-face courses? What are the pedagogical aims in making any activity changes? Do technological considerations limit the pedagogical choices?

Animal Sciences has been offering online courses for years, and courses use a combination of asynchronous and synchronous activities. No changes on the activities are anticipated at present; and any future change will be guided by student feedback from ICES forms, and discussions with instructors, departmental courses and curricula committee, and the department head.

4. Which faculty (tenure-stream, specialized, visiting, adjunct, emeriti, graduate assistants, etc.) will be involved in course design and ongoing instruction? If teaching assistants and other graders are employed, will sufficient numbers be available and will they be required to hold the degree for which they grade? Will instructors of record for online versions of courses have generally the same level of faculty status as do instructors in face-to-face versions of the courses? Similarly, online courses often are appealing because they are easier to scale up. Will the same level of access to faculty members per student be available in each online version of a course as is available in each face-to-face version?

Animal Sciences has been offering online graduate-level courses for years, and these courses are lead by one or multiple faculty instructors that are assisted by teaching assistants. Course instruction responsibilities were discussed and agreed upon between the instructors and the department head when the courses were established in previous years. No changes are anticipated in the instructor assignment at present.

5. When relevant, how will problem-solving in teams and experiential learning be replicated or replaced in online versions of courses, and will faculty continue to play the same role in supervising online work of this nature as they do in face-to-face courses?

The MANSC program includes a requirement of an independent studies project. The face-to-face MANSC program already allows students and faculty advisors to pursue extramural projects such as the ones that students of the proposed online delivery would pursue. These extramural projects are vital component of the graduate studies learning experience in Animal Sciences because many of our students have labor and family ties with rural communities. Other face-to-face ANSC graduate students projects involve visits to remote farms. Lastly, an important component of our graduate program focuses on companion animal behavior, nutrition, and well-being. These students work with Humane Society and akin organizations that are located outside campus. While faculty advising and mentoring on the independent studies project involve face-to-face meetings in the face-to-face MANSC program, the advising and mentoring of online MANSC students will be delivered online with comparable regularity and attention. Both the online and face-to-face MANSC programs require the student to write a project report. Faculty advisors can offer feedback on the project report through synchronous online meeting events with comparable effectiveness to face-to-face meetings.

6. Many services that support student and instructor success — copyright clearance, assistance for students with disabilities, laboratory facilities, exam proctoring, physical library resources, referrals for academic support, other student support services, etc. —



are readily accessible through campus resources for face-to-face courses but are not easily available for online courses. How will these be addressed for online courses?

Animal Sciences has been offering online courses for years, and services such as laboratory facilities and physical library resources have not been used. Moreover, future need is not anticipated at present. The admission process includes a thorough review the application materials, to ensure that admitted students will succeed in any one of our graduate programs. This is a contributing factor for why Animal Sciences graduate students, irrespective of the program, have not required referral for academic support in the past five years. We have not needed to use academic support referrals in our face-to-face MANSC students, and we do not anticipate systematic referrals for academic support for our online MANSC students. The Department of Animal Sciences has a team of three personnel assigned to support graduate students throughout their studies. In addition to this team, each MANSC student has a faculty advisor. These individuals provide support services to face-to-face MANSC students, and because the department has been offering online courses for some time, they are also abreast of the distinct needs of face-to-face and online students. Although the number of online MANSC students is expected to be between 3 and 5 in the next five years, the department will hire additional personnel to support the online students in response to annual program reviews that identify personnel needs.

7. Development of a single online course can require far more time and university resources than remote delivery of face-to-face courses. How will this challenge be met? What tradeoffs might occur?

Animal Sciences has been offering online courses for years. Animal Sciences faculty benefit from the College of ACES teaching grants that aim at supporting the development of online courses. In the event that the department decided to offer new online graduate-level courses, the development of these courses will take advantage of the College of ACES course development grant resources.

Additional Information inserted by A. McKinney 11/10/20, as requested by J. Hart:

1. Do tenure-track faculty teach online MANSC courses?
 - a. Yes.

2. I think you already indicated in a previous e-mail that online courses are taught alongside on-campus courses as a single teaching assignment. Can you please confirm my recollection of that?
 - a. Most are a single teaching assignment (e.g. Dairy Ration Form. & Balancing; Calf & Heifer Nutrition & Mgmt) but some are one course with two offerings online and face-to-face (e.g. Companion Animal Nutrition)



**COLLEGE OF AGRICULTURAL, CONSUMER
& ENVIRONMENTAL SCIENCES**

Department of Agricultural & Consumer Economics
326 Mumford Hall, MC-710
1301 W. Gregory Drive
Urbana, IL 61801

October 8, 2020

Dr. Rodney W. Johnson
Professor and Head
116 Animal Sciences Laboratory
1207 W. Gregory Drive
Urbana, IL 61801

Dear Rod

Thanks for sharing with us the exciting Master of Animal Sciences program that the Department of Animal Sciences offers, in addition to the traditional Master of Science and Doctor of Philosophy degrees in Animal Sciences. Our programs have a history of offering our in-person and online courses to students in both departments and look forward to extending this offer to your students in the Master of Animal Sciences program.

Sincerely,

A handwritten signature in blue ink that reads 'Sean Fox'.

Sean Fox,
Professor & Head, Dept. of Agricultural and Consumer Economics



GRADUATE COLLEGE

110 Coble Hall, MC-322
801 S. Wright St.
Champaign, IL 61820

PROGRAM TUITION WAIVER POLICY PROPOSAL

Proposals to establish or revise tuition waiver policy for a graduate program will follow a shared governance approval process (Department, School, College, Graduate College).

Definitions of Tuition Waiver Policy Designations:

Traditional Programs. Programs either designated as generating **full or base-rate** tuition waivers. Base rate waivers waives only the Resident Graduate Base tuition amount. Non-Residents or students in a program with an additional tuition differential will be responsible for the remaining portion of tuition.

Reimbursable Programs. Programs identified as programs that would be reimbursed from an appointing unit outside their academic college.

Cost-recovery and self-supporting programs. Students in approved cost-recovery and self-supporting programs are not eligible to receive tuition and fee waivers except statutory waivers. Students in these programs are not eligible to hold a waiver generating graduate appointment (Assistantship or Fellowship). Full time employees may be admitted to these programs, but their employee waiver is not eligible for use towards a program with this designation.

Additional information related to these tuition waiver designations can be found here:
<http://www.grad.illinois.edu/gradhandbook/2/chapter7/tuition-waivers#otherprovisions>.

PROGRAM INFORMATION

COLLEGE OR SCHOOL: _____

PROGRAM(s) (Include Program Codes if applicable): _____

REQUESTED DESIGNATION (Select desired designation type):

Comments:

JUSTIFICATION: On a separate sheet, please address the following.

1. Describe the reasons for this request and explain: (a) the pros and cons of the classification requested, and (b) how the requested classification will benefit and not adversely affect the academic quality of the program.
2. What type of financial assistance will be offered to students in the program?
3. Has this program had past practice of offering graduate assistantships? If so, please describe.
4. What provisions will be made to communicate the new classification to prospective and newly admitted students?

APPROVALS: (May use Adobe Signature or print and sign the document)

Department Executive Officer Signature and Date: _____

Disciplinary College Signature and Date: _____

Graduate College Signature and Date: _____

