



University of Delaware Library

VICE PROVOST FOR LIBRARIES AND MUSEUMS  
AND MAY MORRIS UNIVERSITY LIBRARIAN

181 South College Avenue  
Newark, DE 19717-5267  
Phone: 302-831-2231  
Fax: 302-831-1046

December 5, 2017

Memorandum

To: Lesa G. Griffiths  
T. A. Baker Professor of Agriculture and Natural Resources  
Department of Animal and Food Sciences

From: Trevor A. Dawes  
Vice Provost for Libraries and Museums  
and May Morris University Librarian

I am responding to your request to supply information about the capability of the University of Delaware Library to support the proposed Professional Science Master's in Animal or Food Science.

The University of Delaware Library with its strong scientific, interdisciplinary and electronic collections is well able to support this program. Enclosed is a description of collections, resources and services available for this purpose.

I would be pleased to respond to any questions.

/nb

Enclosure

c: College of Agriculture and Natural Resources

Limin Kung, Jr., Chair, Unidel S. Hallock du Pont Professor of Animal Science,

Dairy Nutrition and Silage Fermentation, Department of Animal and Food Sciences

University of Delaware Library

Susan A. Davi, Associate Librarian and Head, Collection Management and

Licensed Electronic Content Department

M. Dina Giambi, Associate University Librarian for Budget and Collections

Sarah E. Katz, Senior Assistant Librarian, Reference and Instructional Services Department,

and UDLib/SEARCH Training Coordinator

Sandra K. Millard, Deputy University Librarian, and Associate University Librarian

for Public Services and Outreach

Nancy R. Nelson, Head, Access Services Department, and Interim Head,

Reference and Instructional Services Department



December 5, 2017

Report on Library Services and Collections in Support of the  
Professional Science Master's in Animal or Food Science

General Description

The University of Delaware Library includes the Hugh M. Morris Library, where the main collection is housed; two branch libraries located on the Newark campus, the Chemistry Library and the Physics Library; and a third branch library, the Marine Studies Library, located in Lewes, Delaware. The Library collections parallel the University's academic interests and support all disciplines. The graduate programs in Animal and Food Sciences are directly supported by the Library's strong collections in agriculture, food science, animal science, physiology, molecular biology, laboratory science, nutrition, biotechnology, bioinformatics, applied statistics, biochemistry, and microbiology.

Books, full-text electronic journals and electronic books, databases, periodicals, microforms, government publications, maps, manuscripts and media provide a major academic resource for the University of Delaware, the surrounding community, the state of Delaware and the nation. Library staff members provide a wide range of services.

The University of Delaware Library is a U.S. depository library and a U.S. patent depository library and contains the complete file of every patent issued by the U.S. Patent and Trademark Office (USPTO).

The online catalog, DELCAT Discovery, provides access to millions of items by author, title, subject and keyword.

Library collections number over 2,790,000 and are broadly based and comprehensive. In 2016/2017, the Library Web <[library.udel.edu/](http://library.udel.edu/)> received over 3,900,000 page views.

Specific Support for Animal and Food Sciences

The Library is fully able to support this proposed program as there is already an M.S. and Ph.D. in Animal Science and an M.S. in Food Science as well as related undergraduate programs. As noted, the Professional Science Master's (PSM) in Animal and Food Science is intended for students who want to further their academic training in animal or food science but who are not research-oriented. The collections which support these programs are excellent and continue to grow.

An experienced librarian, Sarah E. Katz, Senior Assistant Librarian, Reference and Instructional Services Department, serves as the Library liaison to the faculty in the Department of Animal and

Food Sciences. As Library liaison, Ms. Katz works with the Department of Animal and Food Sciences to:

- Further develop Library collections, both print and electronic to support the teaching, learning and research needs of the department and its programs
- Provide research support for faculty and students in a consultation setting
- Provide instruction in a classroom setting
- Serve as a resource for the information needs of the Department of Animal and Food Sciences as they relate to the Library, Scholarly Communication, Open Access and other topics

More than 250 research guides <[guides.lib.udel.edu/](http://guides.lib.udel.edu/)> in all subject areas have been developed and are maintained by Library liaisons. These research guides describe Library resources and assist students in the research process. In this context, Ms. Katz maintains research guides for all areas within the College of Agriculture and Natural Resources, including animal and food sciences. These guides introduce students to a wide array of useful resources including databases, eJournals, eBooks, reference materials, visual material and more. Ms. Katz is also available to work with faculty to develop research guides for specific courses within this program. Research guides, developed by other subject librarians, address the topics of biological sciences, business administration, and entrepreneurship.

In addition to its extensive print-based collections, the Library provides access to more than 85,000 electronic journals <[library.udel.edu/ejournals/](http://library.udel.edu/ejournals/)> and more than 580,000 electronic books <[library.udel.edu/ebooks/](http://library.udel.edu/ebooks/)>. Within the Library's eJournal collection, the sciences are particularly strong, including almost all the journals published by Elsevier, Springer, Wiley, and Taylor & Francis as well as smaller publishers such as Alliance of Crop, Soil, and Environmental Science Societies, BioOne, National Research Council of Canada, American Veterinary Association, Oxford University Press, Annual Reviews, as well as BioMedCentral and Public Library of Science. Within the eBook collection, online access to most books published by Springer from 2005-present is of particular importance.

The Library subscribes to more than 400 online databases <[library.udel.edu/databases/](http://library.udel.edu/databases/)> which support research in all areas. Among the most important databases for study and research in animal and food sciences are: *AGRICOLA*, *CAB Abstracts*, *Biological and Agricultural Index Plus*, *Web of Science*, *BIOSIS Citation Index*, and *Biological Sciences Set*.

The Library also subscribes to *RefWorks*, a web-based citation management tool that can be used with most databases.

The Library has strong collections of film and video <[library.udel.edu/filmandvideo/](http://library.udel.edu/filmandvideo/)> which support study and teaching in all subject areas.

Lesia G. Griffiths  
December 5, 2017  
Page 3

The Library has a nationally recognized Student Multimedia Design Center <[library.udel.edu/multimedia/](http://library.udel.edu/multimedia/)> which provides access to equipment, software, and training related to the creation of multimedia projects. The Student Multimedia Design Center includes over 80 workstations, six studios, and two classrooms focused on multimedia creation. University of Delaware users also may borrow a wide variety of multimedia equipment. Through its Multimedia Literacy program, the Student Multimedia Design Center provides instructional support for faculty seeking to incorporate multimedia into their assignments.

The Library also maintains an Institutional Repository <[udspace.udel.edu/](http://udspace.udel.edu/)>, which archives research reports, documents, and other resources produced by University of Delaware faculty and students.



Trevor A. Dawes  
Vice Provost for Libraries and Museums  
and May Morris University Librarian

**From:** [Green, Ann Marie](#)  
**To:** [Aristigueta, Maria P](#)  
**Subject:** Approval for Course Listing in New MS Degree  
**Date:** Monday, November 6, 2017 4:25:13 PM  
**Importance:** High

---

Dear Professor Aristeguieta,

I am sending you this request on behalf of Dr. Limin Kung, Jr., Chair of the Department of Animal & Food Sciences.

We have a highly successful pre-veterinary B.S. program in the Department of Animal and Food Sciences. However, we still have many graduates that do not apply to graduate or professional school in their senior year and are looking for avenues to continue their education in hopes of re-applying to veterinary school or better preparing themselves for graduate programs. Our department is proposing a new non-thesis Professional Master's Program intended to provide these students with such opportunities. There are also individuals currently working in outreach/extension and industry that may benefit from such a program.

We envision 10 to 15 students a year in this program.

We based our proposal on the existing UD professional Master's program in Bioinformatics (Life Sciences Concentration). We would like to include the courses indicated below from your department as electives in our proposed degree. Students would be required to select two courses from the entire list below, thus we think the impact on any one course is likely to be very small. Thus, I am writing to seek your support in the form of a brief letter (email is fine) of approval that we need to include in our official application to the faculty senate. Please let me know if you have any questions about our proposed plans.

**Select any two courses:**

- [BUAD 870 - Managing People, Teams, and Organizations \(3cr.\)](#)
- BUAD 878 – Leading Across Boundaries
- [UAPP 604 - Leadership in Organizations \(3cr.\)](#)
- [UAPP 697 - Leading Organizations in Public & NP Sectors \(3cr.\)](#)
- [BUAD 835 - Managing New Product Development Projects \(3cr.\)](#)
- [BUAD 871 - Managing for Creativity and Innovation \(3cr.\) ENTR](#)
- [660 - High Technology Entrepreneurship \(3cr.\)](#)
- [MISY 840 - Project Management and Costing \(3cr.\)](#)
- [UAPP 689 - Information Technology & Management of Public & NP Orgs \(3cr.\) UAPP 698](#)
- [- Management Decision Making in Public & NP Sectors \(3cr\)](#)
- APEC 608 – Surveys and Economic Experiments
- BISC 643 - Biological data analysis
- STAT 656 – Biostatistics

Please let us know if you are willing to support this effort with a letter by November 15, 2017 as we plan to submit documents to the College by late November. Your letter can be sent to me at: [amgreen@udel.edu](mailto:amgreen@udel.edu)

Sincerely ,

*Ann Marie Green*

**Administrative Assistant III**  
**Department of Animal & Food Science**

**531 S. College Avenue 044 Townsend Hall**  
**Newark, DE 19716**

(302).831.2522 | + [amgreen@udel.edu](mailto:amgreen@udel.edu)



**From:** [Aristigueta, Maria P](#)  
**To:** [Green, Ann Marie](#)  
**Subject:** RE: Approval for Course Listing in New MS Degree  
**Date:** Monday, November 6, 2017 4:53:37 PM

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Ann Marie, I am happy to approve, however, please see my changes below. If you are ok, I am happy to send you an email approving. Maria

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**From:** Green, Ann Marie  
**Sent:** Monday, November 6, 2017 4:25 PM  
**To:** Aristigueta, Maria P <mariaa@udel.edu>  
**Subject:** Approval for Course Listing in New MS Degree  
**Importance:** High

Dear Professor Aristeguieta,

I am sending you this request on behalf of Dr. Limin Kung, Jr., Chair of the Department of Animal & Food Sciences.

We have a highly successful pre-veterinary B.S. program in the Department of Animal and Food Sciences. However, we still have many graduates that do not apply to graduate or professional school in their senior year and are looking for avenues to continue their education in hopes of re-applying to veterinary school or better preparing themselves for graduate programs. Our department is proposing a new non-thesis Professional Master's Program intended to provide these students with such opportunities. There are also individuals currently working in outreach/extension and industry that may benefit from such a program. We envision 10 to 15 students a year in this program.

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- BUAD 878 – Leading Across Boundaries
- [UAPP 604 - Leadership in Organizations \(3cr.\)](#) Elective, not often in books.
- [UAPP 697 - Leading Organizations in Public & NP Sectors \(3cr.\)](#)
- [BUAD 835 - Managing New Product Development Projects \(3cr.\)](#)
- [BUAD 871 - Managing for Creativity and Innovation \(3cr.\)](#)
- [ENTR 660 - High Technology Entrepreneurship \(3cr.\)](#)
- [MISY 840 - Project Management and Costing \(3cr.\)](#)
- [UAPP 689 - Information Technology & Management of Public & NP Orgs \(3cr.\)](#)
- [UAPP 698 - Management Decision Making in Public & NP Sectors \(3cr\)](#) NOW UAPP 684 Performance Management and Program Evaluation
- APEC 608 – Surveys and Economic Experiments
- BISC 643 - Biological data analysis

STAT 656 – Biostatistics

Please let us know if you are willing to support this effort with a letter by November 15, 2017 as we plan to submit documents to the College by late November. Your letter can be sent to me at: [amgreen@udel.edu](mailto:amgreen@udel.edu)

Sincerely ,

*Ann Marie Green*

**Administrative Assistant III**

**Department of Animal & Food Science**

**531 S. College Avenue**

**044 Townsend Hall**

**Newark, DE 19716**

 302.831.2522 |  [amgreen@udel.edu](mailto:amgreen@udel.edu)

**From:** [Green, Ann Marie](#)  
**To:** [Paretta, Robert L](#)  
**Subject:** Approval for Course Listing in New MS Degree  
**Date:** Monday, November 6, 2017 4:26:15 PM  
**Importance:** High

---

Dear Professor Paretta,

I am sending you this request on behalf of Dr. Limin Kung, Jr., Chair of the Department of Animal & Food Sciences.

We have a highly successful pre-veterinary B.S. program in the Department of Animal and Food Sciences. However, we still have many graduates that do not apply to graduate or professional school in their senior year and are looking for avenues to continue their education in hopes of re-applying to veterinary school or better preparing themselves for graduate programs. Our department is proposing a new non-thesis Professional Master's Program intended to provide these students with such opportunities. There are also individuals currently working in outreach/extension and industry that may benefit from such a program. We envision 10 to 15 students a year in this program.

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- [UAPP 604 - Leadership in Organizations \(3cr.\)](#)
- [UAPP 697 - Leading Organizations in Public & NP Sectors \(3cr.\)](#)
- [BUAD 835 - Managing New Product Development Projects \(3cr.\)](#)
- [BUAD 871 - Managing for Creativity and Innovation \(3cr.\)](#)
- [ENTR 660 - High Technology Entrepreneurship \(3cr.\)](#)
- [MISY 840 - Project Management and Costing \(3cr.\)](#)
- [UAPP 689 - Information Technology & Management of Public & NP Orgs](#)
- [\(3cr.\) UAPP 698 - Management Decision Making in Public & NP Sectors \(3cr\)](#)
- [APEC 608 – Surveys and Economic Experiments](#)
- [BISC 643 - Biological data analysis](#)
- [STAT 656 – Biostatistics](#)

Please let us know if you are willing to support this effort with a letter by November 15, 2017 as we plan to submit documents to the College by late November. Your letter can be sent to me at: [amgreen@udel.edu](mailto:amgreen@udel.edu)

Sincerely ,

*Ann Marie Green*

**Administrative Assistant III**  
**Department of Animal & Food Science**

**531 S. College Avenue**  
**044 Townsend Hall**  
**Newark, DE 19716**

(302).831.2522 | [+amgreen@udel.edu](mailto:+amgreen@udel.edu)



**From:** [Paretta, Robert L](#)  
**To:** [Green, Ann Marie](#)  
**Subject:** RE: Approval for Course Listing in New MS Degree  
**Date:** Tuesday, November 7, 2017 1:18:10 PM  
**Attachments:** [image003.png](#)

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Dear Ann:

I see no problem with having your students use MISY840 as an elective. Please let me know if you need a more formal approval than this email.

Thanks,

Robert L. Paretta, Ph.D., CPA  
Interim Chair and Associate Professor  
Department of Accounting and MIS  
The Lerner College of Business & Economics



206 Purnell Hall | Newark, DE 19716  
P: 302-831-1802 | E: [Paretta@udel.edu](mailto:Paretta@udel.edu)

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**From:** Green, Ann Marie  
**Sent:** Monday, November 06, 2017 4:26 PM  
**To:** Paretta, Robert L <[paretta@udel.edu](mailto:paretta@udel.edu)>  
**Subject:** Approval for Course Listing in New MS Degree  
**Importance:** High

Dear Professor Paretta,

I am sending you this request on behalf of Dr. Limin Kung, Jr., Chair of the Department of Animal & Food Sciences.

We have a highly successful pre-veterinary B.S. program in the Department of Animal and Food Sciences. However, we still have many graduates that do not apply to graduate or professional school in their senior year and are looking for avenues to continue their education in hopes of re-applying to veterinary school or better preparing themselves for graduate programs. Our department is proposing a new non-thesis Professional Master's Program intended to provide these students with such opportunities. There are also individuals currently working in outreach/extension and industry that may benefit from such a program. We envision 10 to 15 students a year in this program.

We based our proposal on the existing UD professional Master's program in Bioinformatics (Life Sciences Concentration). We would like to include the courses indicated below from your department as electives in our proposed degree. Students would be required to select two courses from the entire list below, thus we think the impact on any one course is likely to be very small. Thus, I am writing to seek your support in the form of a brief letter (email is fine) of approval that we need to include in our official application to the faculty senate. Please let me know if you have any questions about our proposed plans.

**Select any two courses:**

**From:** [Green, Ann Marie](#)  
**To:** [Ivento, Thomas W](#)  
**Subject:** Approval for Course Listing in New MS Degree  
**Date:** Monday, November 6, 2017 4:27:32 PM  
**Importance:** High

---

Dear Professor Ivento,

I am sending you this request on behalf of Dr. Limin Kung, Jr., Chair of the Department of Animal & Food Sciences.

We have a highly successful pre-veterinary B.S. program in the Department of Animal and Food Sciences. However, we still have many graduates that do not apply to graduate or professional school in their senior year and are looking for avenues to continue their education in hopes of re-applying to veterinary school or better preparing themselves for graduate programs. Our department is proposing a new non-thesis Professional Master's Program intended to provide these students with such opportunities. There are also individuals currently working in outreach/extension and industry that may benefit from such a program. We envision 10 to 15 students a year in this program. We based our proposal on the existing UD professional Master's program in Bioinformatics (Life Sciences Concentration). We would like to include the courses indicated below from your department as electives in our proposed degree. Students would be required to select two courses from the entire list below, thus we think the impact on any one course is likely to be very small. Thus, I am writing to seek your support in the form of a brief letter (email is fine) of approval that we need to include in our official application to the faculty senate. Please let me know if you have any questions about our proposed plans.

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- BUAD 835 - Managing New Product Development Projects (3cr.)
- BUAD 871 - Managing for Creativity and Innovation (3cr.)
- ENTR 660 - High Technology Entrepreneurship (3cr.)
- MISY 840 - Project Management and Costing (3cr.)
- UAPP 689 - Information Technology & Management of Public & NP Orgs
- (3cr.) UAPP 698 - Management Decision Making in Public & NP Sectors (3cr)
- APEC 608 – Surveys and Economic Experiments
- BISC 643 - Biological data analysis
- STAT 656 – Biostatistics

Please let us know if you are willing to support this effort with a letter by November 15, 2017 as we plan to submit documents to the College by late November. Your letter can be sent to me at: [amgreen@udel.edu](mailto:amgreen@udel.edu)

Sincerely ,

*Ann Marie Green*

**Administrative Assistant III**  
**Department of Animal & Food Science**

**531 S. College Avenue**

**044 Townsend Hall**

**Newark, DE 19716**

(302).831.2522 | + [amgreen@udel.edu](mailto:amgreen@udel.edu)

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Sincerely ,

*Ann Marie Green*

**Administrative Assistant III**

**Department of Animal & Food Science**

**531 S. College Avenue**

**044 Townsend Hall**

**Newark, DE 19716**

 302.831.2522 |  [amgreen@udel.edu](mailto:amgreen@udel.edu)

**From:** [ilvento, Thomas W](#)  
**To:** [Green, Ann Marie](#)  
**Subject:** Re: Approval for Course Listing in New MS Degree  
**Date:** Tuesday, November 7, 2017 1:11:37 AM

---

We will support this effort. One point – APEC 608 is now only taught as STAT608.

Dr ilvento

**Thomas W. Ilvento**

Department of Applied Economics and Statistics  
Professor, Chair and StatLab Coordinator  
213 Townsend Hall  
Newark, DE 19716  
Office: 302-831-6773  
Cell: 302-690-3835  
Fax: 302-831-6243  
[ilvento@udel.edu](mailto:ilvento@udel.edu)  
<http://canr.udel.edu/faculty/ilvento-thomas/>

---

**From:** "Green, Ann Marie" <amgreen@udel.edu>  
**Date:** Monday, November 6, 2017 at 4:27 PM  
**To:** Tom ilvento <ilvento@udel.edu>  
**Subject:** Approval for Course Listing in New MS Degree

Dear Professor Ilvento,

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Sincerely ,

*Ann Marie Green*

**Administrative Assistant III**

**Department of Animal & Food Science**

**531 S. College Avenue**

**044 Townsend Hall**

**Newark, DE 19716**

 302.831.2522 |  [amgreen@udel.edu](mailto:amgreen@udel.edu)

**From:** [Green, Ann Marie](#)  
**To:** [Shapiro, Stewart A](#)  
**Subject:** Approval for Course Listing in New MS Degree  
**Date:** Monday, November 6, 2017 4:28:28 PM  
**Importance:** High

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Dear Professor Shapiro,

I am sending you this request on behalf of Dr. Limin Kung, Jr., Chair of the Department of Animal & Food Sciences.

We have a highly successful pre-veterinary B.S. program in the Department of Animal and Food Sciences. However, we still have many graduates that do not apply to graduate or professional school in their senior year and are looking for avenues to continue their education in hopes of re-applying to veterinary school or better preparing themselves for graduate programs. Our department is proposing a new non-thesis Professional Master's Program intended to provide these students with such opportunities. There are also individuals currently working in outreach/extension and industry that may benefit from such a program. We envision 10 to 15 students a year in this program.

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Sincerely,

*Ann Marie Green*

**Administrative Assistant III**  
**Department of Animal & Food**  
**Science**  
**531 S. College Avenue**  
**044 Townsend Hall**  
**Newark, DE 19716**  
**(302).831.2522 | [+amgreen@udel.edu](mailto:amgreen@udel.edu)**



**From:** [Shapiro, Stewart A](#)  
**To:** [Green, Ann Marie](#)  
**Subject:** RE: Approval for Course Listing in New MS Degree  
**Date:** Monday, November 13, 2017 10:44:00 AM

---

Ann Marie,  
Sorry for the delay in response- I was waiting on a response from a colleague. I will write a letter of support but I have one question first: One of the courses you are seeking support for is [BUAD 871 - Managing for Creativity and Innovation](#). We are [actually planning to eliminate this course from our curriculum but](#) two possible substitutes for courses that our department controls would be ENTR616: Applied Creativity and/or ENTR658: Application Development for New Technology which are both closely related substitutes for 871. Would you like me to include one or both of these ENTR courses in my support letter rather than BUAD871?  
Stewart Shapiro

Stewart Shapiro, Ph.D.  
Chairman, Department of Business Administration  
Professor of Marketing  
University of Delaware  
Alfred Lerner College of Business & Economics  
237 Alfred Lerner Hall | Newark, DE 19716  
P: 302-831-2516 | F: 302-831-4196 | E: [sshapiro@udel.edu](mailto:sshapiro@udel.edu)  
web: [www.lerner.udel.edu](http://www.lerner.udel.edu)

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**From:** Green, Ann Marie  
**Sent:** Monday, November 06, 2017 4:28 PM  
**To:** Shapiro, Stewart A  
**Subject:** Approval for Course Listing in New MS Degree  
**Importance:** High

Dear Professor Shapiro,

I am sending you this request on behalf of Dr. Limin Kung, Jr., Chair of the Department of Animal & Food Sciences.

We have a highly successful pre-veterinary B.S. program in the Department of Animal and Food Sciences. However, we still have many graduates that do not apply to graduate or professional school in their senior year and are looking for avenues to continue their education in hopes of re-applying to veterinary school or better preparing themselves for graduate programs. Our department is proposing a new non-thesis Professional Master's Program intended to provide these students with such opportunities. There are also individuals currently working in outreach/extension and industry that may benefit from such a program. We envision 10 to 15 students a year in this program.

We based our proposal on the existing UD professional Master's program in Bioinformatics (Life Sciences Concentration). We would like to include the courses indicated below from your department as electives in our proposed degree. Students would be required to select two courses from the entire list below, thus we think the impact on any one course is likely to be very small. Thus, I am writing to seek your support in the form of a brief letter (email is fine) of approval that we need to include in our official application to the faculty senate. Please let

me know if you have any questions about our proposed plans.

**Select any two courses:**

- [BUAD 870 - Managing People, Teams, and Organizations \(3cr.\)](#)
- BUAD 878 – Leading Across Boundaries
- [UAPP 604 - Leadership in Organizations \(3cr.\)](#)
- [UAPP 697 - Leading Organizations in Public & NP Sectors \(3cr.\)](#)
- [BUAD 835 - Managing New Product Development Projects \(3cr.\)](#)
- [BUAD 871 - Managing for Creativity and Innovation \(3cr.\)](#)
- [ENTR 660 - High Technology Entrepreneurship \(3cr.\)](#)
- [MISY 840 - Project Management and Costing \(3cr.\)](#)
- [UAPP 689 - Information Technology & Management of Public & NP Orgs \(3cr.\)](#)
- [UAPP 698 - Management Decision Making in Public & NP Sectors \(3cr\)](#)
- APEC 608 – Surveys and Economic Experiments
- BISC 643 - Biological data analysis
- STAT 656 – Biostatistics

Please let us know if you are willing to support this effort with a letter by November 15, 2017 as we plan to submit documents to the College by late November. Your letter can be sent to me at: [amgreen@udel.edu](mailto:amgreen@udel.edu)

Sincerely ,

*Ann Marie Green*

**Administrative Assistant III**

**Department of Animal & Food Science**

**531 S. College Avenue**

**044 Townsend Hall**

**Newark, DE 19716**

 302.831.2522 |  [amgreen@udel.edu](mailto:amgreen@udel.edu)



Alfred Lerner College  
of Business & Economics

DEPARTMENT OF BUSINESS ADMINISTRATION

University of Delaware  
Newark, DE 19716-2710  
Phone: 302-831-2555  
Fax: 302-831-4196

*Dr. Stewart Shapiro  
Chair, Department of Business Administration  
Professor of Marketing  
Lerner College of Business & Economics  
University of Delaware  
Newark, DE 19716*

*Phone: (302) 831-2516  
Fax: (302) 831-4196  
Email: [sshapiro@udel.edu](mailto:sshapiro@udel.edu)*

Date: November 13, 2017

TO: Dr. Limin Kung Jr.  
Chair of the Department of Animal & Food Sciences  
University of Delaware  
Newark, DE 19716

RE: Support letter for new non-thesis Professional Master's Program

Dear Dr. Kung,

The Department of Business Administration is please to support the new non-thesis Professional Master's Program in the Department of Animal & Food Science by allowing students in this program to enroll in BUAD870, BUAD878, BUAD835, ENTR660, ENTR616 and/or ENTR658 as potential electives. I wish you luck with your new program.

Sincerely,

A handwritten signature in black ink, appearing to read 'Stewart Shapiro'.

Stewart Shapiro

**From:** [Green, Ann Marie](#)  
**To:** [Freeman, Daniel J](#)  
**Subject:** FW: Approval for Course Listing in New MS Degree  
**Date:** Monday, November 6, 2017 4:32:47 PM  
**Importance:** High

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Dear Professor Freeman,

I am sending you this request on behalf of Dr. Limin Kung, Jr., Chair of the Department of Animal & Food Sciences.

We have a highly successful pre-veterinary B.S. program in the Department of Animal and Food Sciences. However, we still have many graduates that do not apply to graduate or professional school in their senior year and are looking for avenues to continue their education in hopes of re-applying to veterinary school or better preparing themselves for graduate programs. Our department is proposing a new non-thesis Professional Master's Program intended to provide these students with such opportunities. There are also individuals currently working in outreach/extension and industry that may benefit from such a program. We envision 10 to 15 students a year in this program.

We based our proposal on the existing UD professional Master's program in Bioinformatics (Life Sciences Concentration). We would like to include the courses indicated below from your department as electives in our proposed degree. Students would be required to select two courses from the entire list below, thus we think the impact on any one course is likely to be very small. Thus, I am writing to seek your support in the form of a brief letter (email is fine) of approval that we need to include in our official application to the faculty senate. Please let me know if you have any questions about our proposed plans.

**Select any two courses:**

- BUAD 870 - Managing People, Teams, and Organizations (3cr.)
- BUAD 878 – Leading Across Boundaries
- UAPP 604 - Leadership in Organizations (3cr.)
- UAPP 697 - Leading Organizations in Public & NP Sectors (3cr.)
- BUAD 835 - Managing New Product Development Projects (3cr.)
- BUAD 871 - Managing for Creativity and Innovation (3cr.)
- ENTR 660 - High Technology Entrepreneurship (3cr.)
- MISY 840 - Project Management and Costing (3cr.)
- UAPP 689 - Information Technology & Management of Public & NP Orgs (3cr.)
- UAPP 698 - Management Decision Making in Public & NP Sectors (3cr)
- APEC 608 – Surveys and Economic Experiments
- BISC 643 - Biological data analysis
- STAT 656 – Biostatistics

Please let us know if you are willing to support this effort with a letter by November 15, 2017 as we plan to submit documents to the College by late November. Your letter can be sent to me at: [amgreen@udel.edu](mailto:amgreen@udel.edu)

Sincerely ,

*Ann Marie Green*

**Administrative Assistant III  
Department of Animal & Food Science**

**531 S. College Avenue**

**044 Townsend Hall**

**Newark, DE 19716**

(302).831.2522 | [+amgreen@udel.edu](mailto:+amgreen@udel.edu)



November 15, 2017

Dear Dr. Kung,

Thank you for your interest in adding an ENTR660: High Technology Entrepreneurship to the list of elective options for a new non-thesis professional master's program. Horn Entrepreneurship is pleased to support the inclusion of this course.

Sincerely,

A handwritten signature in black ink, appearing to read "Dan Freeman".

Dan Freeman, Ph.D.  
Founding Director  
[freemand@udel.edu](mailto:freemand@udel.edu)  
302.831.4393





November 15, 2017

Dear Dr. Kung,

Thank you for your interest in adding an ENTR660: High Technology Entrepreneurship to the list of elective options for a new non-thesis professional master's program. Horn Entrepreneurship is pleased to support the inclusion of this course.

In addition, ENTR617: Design Thinking & Innovation and ENTR658: App Development for New Technology would also make great elective options and are approved for inclusion in the list of electives for the new program.

Sincerely,

A handwritten signature in black ink that reads "Dan Freeman".

Dan Freeman, Ph.D.  
Founding Director  
[freemand@udel.edu](mailto:freemand@udel.edu)  
302.831.4393





**From:** [Green, Ann Marie](#)  
**To:** ["fboyde@udel.edu"](mailto:fboyde@udel.edu)  
**Cc:** [Kung, Limin, JR](#); [Griffiths, Lesa G](#); [Green, Ann Marie](#)  
**Subject:** Approval for Course Listing in New MS Degree  
**Date:** Tuesday, November 28, 2017 12:50:00 PM  
**Importance:** High

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Dear Professor Boyd,

I am sending you this request on behalf of Dr. Limin Kung, Jr., Chair of the Department of Animal & Food Sciences.

We have a highly successful pre-veterinary B.S. program in the Department of Animal and Food Sciences. However, we still have many graduates that do not apply to graduate or professional school in their senior year and are looking for avenues to continue their education in hopes of re-applying to veterinary school or better preparing themselves for graduate programs. Our department is proposing a new non-thesis Professional Master's Program intended to provide these students with such opportunities. There are also individuals currently working in outreach/extension and industry that may benefit from such a program. We envision 10 to 15 students a year in this program.

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- [UAPP 698 - Management Decision Making in Public & NP Sectors \(3cr\)](#)
- APEC 608 – Surveys and Economic Experiments
- **BISC 643 - Biological data analysis**
- STAT 656 – Biostatistics

I apologize for the tardiness of this email, but if you could please let us know if you are willing to support this effort with a letter as soon as possible as we plan to submit documents to the College by late November. Your letter can be sent to me at: [amgreen@udel.edu](mailto:amgreen@udel.edu)

Sincerely ,

*Ann Marie Green*

**Administrative Assistant III**  
**Department of Animal & Food Science**  
**531 S. College Avenue**

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**Newark, DE 19716**

 302.831.2522 |  [amgreen@udel.edu](mailto:amgreen@udel.edu)



DEPARTMENT OF  
BIOLOGICAL SCIENCES  
OFFICE OF THE CHAIR

University of Delaware  
Newark, Delaware 19716-2590  
Ph: 302/831-4296  
Fax: 302/831-2281

November 30th, 2017

E. Fidelma Boyd, Ph.D.  
Professor and Chair  
Department of Biological Sciences  
118C Wolf Hall  
Telephone (302) 831-4296  
Fax No. (302) 831-1033  
E-mail: [fboyd@udel.edu](mailto:fboyd@udel.edu)

To: Dr. Limin Kung, Jr.,  
Chair  
Department of Animal & Food Sciences.  
University of Delaware  
Newark, DE 19716

From: Dr. E. Fidelma Boyd, Interim Chair  
Department of Biological Sciences

Re: BISC643 Biological Data Analysis

Dear Prof. Kung,

I am writing in support of your department's new Professional Master's degree in Bioinformatics. As I understand it, the BISC course listed (BISC643) is an elective, and you would anticipate that in a 5-yr period, a max of 10 students from your program might wish to pursue this course.

Best regards,

A handwritten signature in blue ink that reads "E. Boyd".

E. Fidelma Boyd, Ph.D.  
Professor and Chair