UNIVERSITY FACULTY SENATE FORMS

Academic Program Approval

This form is a routing document for the approval of new and revised academic programs. Proposing department should complete this form. For more information, call the Faculty Senate Office at 831-2921.

Submitted by:  Jacob Bowman  phone number  831-4621

Department:  Entomology and Wildlife Ecology  email address  jlbowman@udel.edu

Date:  March 1, 2011

Action:  revise major

(Example:  add major/minor/concentration, delete major/minor/concentration, revise major/minor/concentration, academic unit name change, request for permanent status, policy change, etc.)

Effective term:  12S

(Use format 04F, 05W)

Current degree:  BS

(Example:  BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

Proposed change leads to the degree of:

(Example:  BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

Proposed name:

Proposed new name for revised or new major / minor / concentration / academic unit (if applicable)

Revising or Deleting:

Undergraduate major / Concentration:  Wildlife Conservation

(Example:  Applied Music – Instrumental degree BMAS)

Undergraduate minor:

(Example:  African Studies, Business Administration, English, Leadership, etc.)

Graduate Program Policy statement change:

(Must attach your Graduate Program Policy Statement)

Graduate Program of Study:

(Example:  Animal Science: MS  Animal Science: PHD  Economics: MA Economics: PHD)

Graduate minor / concentration:

Note: all graduate studies proposals must include an electronic copy of the Graduate Program Policy Document, highlighting the changes made to the original policy document.

List new courses required for the new or revised curriculum. How do they support the overall program objectives of the major/minor/concentrations)?
None of the courses in this revision are new.

**Explain, when appropriate, how this new/revised curriculum supports the 10 goals of undergraduate education:** [http://www.ugs.udel.edu/gened/](http://www.ugs.udel.edu/gened/)

1. *Attain effective skills in oral and written communication, quantitative reasoning, and the use of information technology.*
   The major has always required 9 credit hours of written and oral communication courses but this revision will require that at least one course be written communication and one be oral communication. This change will ensure that student gain experience in both forms of communication. Additionally, ENWC 416 and ENWC 456 require students to present written and/or oral reports along with ENWC 325 and ENWC 415, which are currently required courses. These four courses also strengthen quantitative reasoning skills and the use of information technology.

2. *Learn to think critically to solve problems.*
   Problem solving is emphasized in many of the required science courses, especially those with laboratories. We propose adding ENWC 416 and ENWC 456 to further strengthen problem-solving and critical thinking skills.

3. *Be able to work and learn both independently and collaboratively.*
   Both independent and collaborative work is emphasized in many of the required science classes with laboratories. We propose adding ENWC 416 and ENWC 456 to permit more opportunities for students to work independently and collaboratively solving problems.

4. *Engage questions of ethics and recognize responsibilities to self, community, and society at large.*
   Environmental issues and conservation of biodiversity are central to wildlife conservation and many of the courses in the major address these issues. The Senior Capstone Experience (ENWC 465) explicitly addresses controversial issues related to wildlife conservation. We propose adding ENWC 413 and ENWC 456, which address questions of ethics and recognizing the responsibilities of self, community, and society at large.

The last 6 goals are supported through college and university requirements as well as electives that expose students to a broad understanding of social, cultural, global, aesthetic, environmental, and intellectual aspects of the world we live in.

**Identify other units affected by the proposed changes:**
(Attach permission from the affected units. If no other unit is affected, enter “None”)

- Center for Energy & Environmental Policy
- Department of Animal and Food Sciences
- Department of Biological Sciences
- Department of Chemistry and Biochemistry
- Department of Food and Resource Economics
- Department of Geography
- Department of Plant and Soil Sciences
- School of Public Policy and Administration

**Describe the rationale for the proposed program change(s):**
(Explain your reasons for creating, revising, or deleting the curriculum or program.)
We propose this revision to increase the exposure of our students to wildlife conservation related topics. We propose moving ENWC406 (Insect Identification - Taxonomy) and ANSC300 (Animal and Plant Genetics) from “Major Requirements” to Group I and replace them with ENWC416 (Wildlife Habitat Management) and ENWC456 (Conservation Biology). ENWC 416 and 456 will provide our students with a stronger foundation in wildlife conservation. We propose adding PLSC201 as an option for the botany requirement so that either PLSC101 (Botany I) or PLSC201 (Botany II) would satisfy the requirement. The change will give the students greater flexibility in achieving their botany requirement. We propose replacing the 3 credit hours of any ENWC course with ENWC 413 (Wildlife Policy and Administration). This course is currently part of Group III but requiring it will ensure that all of our students will have a stronger foundation in policy and administration as it directly relates to wildlife conservation. We propose changing the general chemistry requirement from CHEM101/102 or CHEM103/104 to permit only CHEM103/104. Chemistry 101/102 is being phased out and does not prepare the student for advanced chemistry courses as well as CHEM 103/104. We propose revising Group I by reducing it to 6 credit hours, adding 15 courses to the list of courses, and deleting 3 courses. The reduction in credit hours will allow students greater flexibility to double major or minor in other topics. Reduction in the credits hours will not adversely affect students since we have strengthened the required major courses. We propose deleting 3 courses and adding 15 courses to ensure diversity in the focus areas of terrestrial animals and courses related to their biology. We propose adding one oral communication course to expand the offerings in Group II. We also propose requiring at least one oral and one written communication course to ensure that student gain experience in both forms of communication. We propose adding 5 courses to Group III to expand the offerings in this group. Because we are proposing that ENWC 413, currently part of Group III, be a required course, we propose reducing Group III to 3 credits hours.

Program Requirements:
(Show the new or revised curriculum as it should appear in the Course Catalog. If this is a revision, be sure to indicate the changes being made to the current curriculum and include a side-by-side comparison of the credit distribution before and after the proposed change.)

Below is the revised curriculum and attached is the side-by-side comparison of the old and new curricula.

DEGREE: BACHELOR OF SCIENCE
MAJOR: WILDLIFE CONSERVATION

CURRICULUM CREDITS

See University and College requirements.

MAJOR REQUIREMENTS
A minimum grade of C- is required for all ENWC credits used to satisfy departmental requirements.

Professional Studies
FREC 135 (or equivalent) Intro to Data Analysis 3
MATH 115, MATH 221, or MATH 241 3-4
BISC 207/BISC 208 Introductory Biology I and II 8
BISC 302 General Ecology 3
CHEM 103/CHEM 104 General Chemistry 8
ENWC 165 New Student Seminar 1
ENWC 201 Wildlife Conservation and Ecology 3
ENWC 205 Elements of Entomology 3
ENWC 325 Wildlife Management 3
ENWC 413 Wildlife Policy and Administration 3
ENWC 416 Wildlife Habitat Management 3
ENWC 456 Conservation Biology 3
ENWC 415 Wildlife Research Techniques 3
ENWC 418 Ornithology 3
ENWC 425 Mammalogy 3
ENWC 465 Senior Capstone Experience 1
ECON 151 Introduction to Microeconomics: Prices and Markets 3
or
FREC 150 Economics of Agriculture and Natural Resources 3  
FREC 408 Research Methods I 3  
or  
STAT 200 Basic Statistical Practice 3  
PLSC 101 Botany I 4  
or  
PLSC 201 Botany II 4  
PLSC 204 Introduction to Soil Science 3  
PLSC 212 Woody Landscape Plants 4  
or  
PLSC 214 Indigenous Woody Plants of Eastern United States 2  
or  
PLSC 404 Plant Taxonomy 3  

GROUP I:  6 credits from the following 27  
ANFS 140 Functional Anatomy of Domestic Animals  
ANFS 251 Animal Nutrition  
ANFS 300 Principles of Animal and Plant Genetics  
ANFS 310 Animal and Plant Genetics Laboratory  
ANFS 332 Introduction to Animal Diseases  
BISC 300 Introduction to Microbiology  
BISC 305 Cell Physiology  
BISC 306 General Physiology  
BISC 312 Field Ecology  
BISC 442 Vertebrate Morphology  
BISC 480 Vertebrate Natural History  
BISC 495 Evolution  
ENWC 214 Apiology and Apiculture  
ENWC 215 Entomology Laboratory  
ENWC 224 Apiology and Apiculture Laboratory  
ENWC 314 Comparative Terrestrial and Marine Ecology  
ENWC 405 Insect Structure and Function  
ENWC 406 Insect Identification – Taxonomy  
ENWC 408 Insect Field Taxonomy  
ENWC 410 Medical, Veterinary, and Forensic Entomology  
ENWC 411 Insect Pest Management  
ENWC 419 Biological Control  
ENWC 424 Herpetology  
ENWC 435 Population Ecology  
ENWC 444 Conservation of Tropical Biodiversity  
ENWC 452 Conservation of African Wildlife  
ENWC 620 Behavioral Ecology  

GROUP II: 9 credits from the following 11  
At least one of the following:  
AGRI 212 Oral Communication in Agriculture and Natural Resources  
COMM 212 Oral Communication in Business  
COMM 350 Public Speaking  
LEAD 209 Presentation Strategies  
THEA 204 Introduction to Voice and Speech  
At least one of the following:  
ENGL 301 Expository Writing  
ENGL 307 News Writing and Editing  
ENGL 309 Feature and Magazine Writing  
ENGL 312 Written Communications in Business  
ENGL 410 Technical Writing  
UNIV 402 Senior Thesis (requires completed thesis)  

GROUP III: 3 credits from the following 12  

ENEP 410 Political Economy of Environment
ENEP 426 Climate Change: Science, Policies & Political Economy
ENWC 450 Debates in Conservation Biology
ENWC 453 Community-based Conservation
FREC 100 Sustainable Development
FREC 406 Agricultural and Natural Resource Policy
FREC 444 Economics of Environmental Management
FREC 450 Topics in Environmental Law
GEOG235 Conservation of Natural Resources
GEOG 236 Conservation: Global Issues
PHIL 448 Environmental Ethics
POSC 350 Politics and the Environment

ELECTIVES
Beyond required courses, sufficient credits must be taken to meet the minimum credits required for the degree. Calculus, organic chemistry, biochemistry, geographic information systems, and physics are strongly recommended. Only two credits of BHAN 120 activity or performing music may be counted toward the degree.

CREDITS TO TOTAL A MINIMUM OF 124

ROUTING AND AUTHORIZATION: (Please do not remove supporting documentation.)
Department Chairperson _______________________________ Date__________________
Dean of College ___________________________________ Date__________________
Chairperson, College Curriculum Committee _____________ Date_______________
Chairperson, Senate Com. on UG or GR Studies _____________ Date_______________
Chairperson, Senate Coordinating Com. ___________________ Date_______________
Secretary, Faculty Senate _______________________________ Date__________________
Date of Senate Resolution ________________________________ Date to be Effective________
Registrar ___________________________________________ Program Code____________ Date__________________
Vice Provost for Academic Affairs & International Programs _____________________ Date_______________
Provost _____________________________________________ Date__________________
Board of Trustee Notification ___________________________________________ Date_______________

Revised 02/09/2009 /khs
**Current Program**

**DEGREE: BACHELOR OF SCIENCE**  
**MAJOR: WILDLIFE CONSERVATION**

**CURRICULUM CREDITS**

See University and College requirements.

**MAJOR REQUIREMENTS**  
A minimum grade of C- is required for all ENWC credits used to satisfy departmental requirements.

**Professional Studies**

- FREC 135 (or equivalent) Intro to Data Analysis 3  
- MATH 115, MATH 221, or MATH 241 3-4  
- BISC 207/BISC 208 Introductory Biology I and II 8  
- BISC 302 General Ecology 3  
- CHEM 101/CHEM 102 General Chemistry  
  or  
- CHEM 103/CHEM 104 General Chemistry 8  
- ENWC 165 New Student Seminar 1  
- ENWC 201 Wildlife Conservation and Ecology 3  
- ENWC 205 Elements of Entomology 3  
- ENWC 300 Principles of Animal and Plant Genetics 3  
  or  
- BISC 403 Genetics and Evolutionary Biology 3  
- ENWC 325 Wildlife Management 3  
- ENWC 406 Insect Identification--Taxonomy 3  
- ENWC 415 Wildlife Research Techniques 3  
- ENWC 418 Ornithology 3  
- ENWC 425 Mammalogy 3  
- ENWC 465 Senior Capstone Experience 1  
- ENWC credit (may include UNIV 400 or any ENWC course 200-level  
  or above (except X66 and X68) 3  
- ECON 151 Introduction to Microeconomics: Prices and Markets 3  
  or  
- FREC 150 Economics of Agriculture and Natural Resources 3  
- FREC 408 Research Methods I 3  
  or  
- STAT 200 Basic Statistical Practice 3  
- PLSC 101 Botany I 4  
- PLSC 204 Introduction to Soil Science 3  
- PLSC 212 Woody Landscape Plants 4  
  or  
- PLSC 214 Indigenous Woody Plants of Eastern United States 2  
  or  
- PLSC 404 Plant Taxonomy 3

**GROUP I: 10 credits from the following 10**

- ANSC 140 Functional Anatomy of Domestic Animals  
- BISC 300 Introduction to Microbiology  
- BISC 305 Cell Physiology  
- BISC 306 General Physiology  
- BISC 442 Vertebrate Morphology  
- BISC 480 Vertebrate Natural History  
- BISC 495 Evolution  
- BISC 637 Population Ecology  
- ENWC 310 Animal and Plant Genetics Laboratory  
- ENWC 408 Insect Field Taxonomy  
- ENWC 424 Herpetology  
- ENWC 444 Conservation of Tropical Biodiversity  
- ENWC 452 Conservation of African Wildlife  
- MAST 627 Marine Biology  
- MAST 629 Ichthyology

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<thead>
<tr>
<th>Proposed Changes to the Program</th>
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<tbody>
<tr>
<td>CHEM 103/104 no longer permitted</td>
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<td>ENWC 456 Conservation Biology 3</td>
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<tr>
<td>ENWC 300 (now ANFS300) and BISC403 moved to Group I</td>
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<td>ENWC 416 Wildlife Habitat Management 3</td>
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<td>ENWC 406 moved to Group I</td>
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<td>ENWC 413 Wildlife Policy and Administration 3</td>
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<tr>
<td>PLSC 101 Botany I or PLSC 201 Botany II</td>
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<tr>
<td>Delete BISC 637</td>
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<td>Delete MAST 627</td>
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<td>Delete MAST 629</td>
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GROUP II: 9 credits from the following 9
AGRI 212 Oral Communication in Agriculture and Natural Resources
COMM 212 Oral Communication in Business
COMM 350 Public Speaking
ENGL 301 Expository Writing
ENGL 307 News Writing and Editing
ENGL 309 Feature and Magazine Writing
ENGL 312 Written Communications in Business
ENGL 410 Technical Writing
THEA 204 Introduction to Voice and Speech
UNIV 402 Senior Thesis (requires completed thesis)

GROUP III: 6 credits from the following 6
ENWC 413 Wildlife Policy and Administration
ENWC 450 Debates in Conservation Biology
ENWC 453 Community-based Conservation
FREC 444 Economics of Environmental Management
FREC 450 Topics in Environmental Law
GEOG 236 Conservation: Global Issues
PHIL 448 Environmental Ethics
POSC 350 Politics and the Environment

GROUP II: 9 credits from the following 11
*At least one of the following:*
AGRI 212 Oral Communication in Agriculture and Natural Resources 3
COMM 212 Oral Communication in Business 3
COMM 350 Public Speaking 3
ADD LEAD 209 Presentation Strategies 3
THEA 204 Introduction to Voice and Speech 3
*At least one of the following:*
ENGL 301 Expository Writing 3
ENGL 307 News Writing and Editing 3
ENGL 309 Feature and Magazine Writing 3
ENGL 312 Written Communications in Business 3
ENGL 410 Technical Writing 3
UNIV 402 Senior Thesis (requires completed thesis) 3

GROUP III: 3 credits from the following 12
DELETE ENWC 413 from group and becomes it a required course

Add ENEP 410 Political Economy of Environment 3
Add ENEP 426 Climate Change: Science, Policies & Political Economy 3
Add FREC 100 Sustainable Development 3
Add FREC 406 Agricultural and Natural Resource Policy 3
Add GEOG235 Conservation of Natural Resources 3

ELECTIVES
Beyond required courses, sufficient credits must be taken to meet the minimum credits required for the degree.
Calculus, organic chemistry, biochemistry, geographic information systems, and physics are strongly recommended. Only two credits of BHAN 120 activity or performing music may be counted toward the degree.

CREDITS TO TOTAL A MINIMUM OF 124
No problem, Jake. Regards, John

--
John Byrne, Director and Distinguished Professor of Energy and Climate Policy Center for Energy & Environmental Policy University of Delaware Newark, DE 19716-7301 USA Tel: (302) 831-8405 Fax: (302) 831-3098 E-mail: jbbyrne@udel.edu Website: http://ceep.udel.edu Bio: http://ceep.udel.edu/Bios/Byrne.pdf

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On Wed, 14 Sep 2011, Jacob L. Bowman wrote:

> Dr. Byrne,
> 
> The Department of Entomology and Wildlife Ecology is proposing a
> revision to our Wildlife Conservation major. Part of this revision is
> updating several of the groups required by the major. We would like
> to list ENEP 410 and 426 as part of our Group III along with 11 other
> courses. Students only have to complete one course from this group.
> Because of the number of courses offered in this group, I don't expect
> large requests for any one course in this group. Is this listing
> acceptable to your department?
>
> Sincerely,
>
> Jake
>
> ____________________________________________
>
> Jacob L. Bowman, Ph.D.
> Associate Professor Wildlife Ecology
> 245 Townsend Hall
> Department of Entomology and Wildlife Ecology University of Delaware
> Newark, DE 19716-2160
> Office: (302) 831-4621
> Fax: (302) 831-8889
> Email: jlbowman@udel.edu<mailto:jlbowman@udel.edu>
>
> ____________________________________________
Hi Jake,
This is fine with ANFS.
An issue was raised that ANFS students have difficulties getting the Wildlife minor. Could we talk about how to make that easier for them. (So this is not really a bargain, but can we talk about this issue sometime this semester.)

Thanks,
Kali

Jack and Kali,
I was wondering if you had a chance to consider my request for listing courses? Let me know if you have any questions. I’m happy to meet to discuss these courses with one or both of you.

Take care,
Jake

Hi Jake,
Thank you for your e-mail.
I will ask Kali, who chairs our anfs courses and curriculum committee, to respond.

Jack
The Department of Entomology and Wildlife Ecology is proposing a revision to our Wildlife Conservation major. Part of this revision is updating several of the groups required by the major. We would like to list ANFS 251, ANFS 300, and ANFS 332 as part of our Group I along with 24 other courses. ANFS 300 is currently a required courses so the requests for this course will decrease. We have several students double majoring in Animal Science so permitting ANFS 251 and ANFS 332 would allow them to double count required courses. Because of the large number of courses in Group I, I expect the pressure on any one course to be very low. Is this listing acceptable to your department?

Sincerely,

Jake

_____________________________________________
Jacob L. Bowman, Ph.D.
Associate Professor Wildlife Ecology
245 Townsend Hall
Department of Entomology and Wildlife Ecology
University of Delaware
Newark, DE 19716-2160
Office: (302) 831-4621
Fax: (302) 831-8889
Email: jlboman@udel.edu

_____________________________________________
Jake,

We have no complaint as long as it is only one student. This is a heavily subscribed course and we can reserve one spot but only in the fall. In addition you must email Dave Smith before spring registration to let him know who the student is.

--Dave

Randy,

Thank you for your consideration. If either Dave or you have any questions, just let me know.

Take care,

Jake

Hi Jake,

I’m passing this on to my Associate Chair, David Usher. We’ll go over the request and get back to you by tomorrow.

Randy

Randall L. Duncan, Ph.D.
Professor and Chairman
Department of Biological Sciences
University of Delaware
Newark, DE 19716
(Tel) 302.831.4296
(Fax) 302.831.1033
"After a certain high level of technical skill is achieved, science and art tend to coalesce in aesthetics, plasticity, and form. The greatest scientists are always artists as well."

Albert Einstein

From: Jacob L. Bowman [mailto:jlbowman@UDel.Edu]
Sent: Monday, September 12, 2011 7:48 PM
To: rlduncan@udel.edu
Subject: Permission to list a course

Dr. Duncan,

The Department of Entomology and Wildlife Ecology is proposing a revision to our Wildlife Conservation major. Part of this revision is updating several of the groups required by the major. We would like to list BISC 312 as part of our Group I along with 26 other courses. Because of the number of courses in this group, I suspect that fewer than one student per year will request the course. Is this listing acceptable to your department?

Sincerely,

Jake

______________________________
Jacob L. Bowman, Ph.D.
Associate Professor Wildlife Ecology
245 Townsend Hall
Department of Entomology and Wildlife Ecology
University of Delaware
Newark, DE 19716-2160
Office: (302) 831-4621
Fax: (302) 831-8889
Email: jlbowman@udel.edu

______________________________
From: Klaus Theopold <theopold@UDel.Edu>
Sent: Tuesday, September 13, 2011 10:22 AM
To: Jacob L. Bowman
Cc: John L. Burmeister
Subject: Re: Permission to list courses

Jake,

Congratulations on lifting the bar a bit. I agree with you and your colleagues that CHEM 103/104 will be better preparation for your majors if they aspire to an understanding of chemistry and related sciences.

Regarding the practical consequences of your decision, I should say that we have recently experienced saturation in CHEM 103, which is capped at a capacity of 1200 students during the fall semester, due to available laboratory space. If your students have already been taking this sequence, then the change should not create additional problems. However, in the spirit of full disclosure I wanted you to be aware that under the current enrollment scenarios immediate access to CHEM 103 may not always be guaranteed. All the same, we teach the class fall, winter, spring and summer, so with some flexibility your majors should be able to fulfill this requirement.

Regards, Klaus

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Klaus H. Theopold, Professor and Chair
Department of Chemistry and Biochemistry

On Sep 12, 2011, at 7:54 PM, Jacob L. Bowman wrote:

Dr. Theopold,

The Department of Entomology and Wildlife Ecology is proposing a revision to our Wildlife Conservation major. Part of this revision is updating courses. Our current curriculum permits either CHEM101/102 or CHEM 103/104. We would like to change this requirement to only CHEM 103/104. We think this requirement would better prepare our students for BISC 207/208 and allow those interested in chemistry to be better prepared for more advanced chemistry courses. The last few years we have attempted to place students in CHEM103/104 so I don’t expect any additional pressure on CHEM 103/104. Is this listing acceptable to your department?

Sincerely,

Jake
Jacob L. Bowman, Ph.D.
Associate Professor Wildlife Ecology
245 Townsend Hall
Department of Entomology and Wildlife Ecology
University of Delaware
Newark, DE 19716-2160
Office: (302) 831-4621
Fax: (302) 831-8889
Email: jlbowman@udel.edu
From: Titus Awokuse  
Sent: Tuesday, September 13, 2011 5:00 PM  
To: Jacob L. Bowman  
Subject: Re: Permission to list courses

Jake,
It's ok to list FREC 100 and 406 as part of the Group III requirement in your major.  
In FREC, we are happy to continue to partner with your growing program in Wildlife Conservation.

Regards,

TOA

-------------------------------------------------
Titus O. Awokuse  
Professor and Chair  
Dept. of Food & Resource Economics  
University of Delaware  
Newark, DE 19716  
Phone: 302-831-1323

From: "Jacob L. Bowman" <jlbowman@udel.edu>  
Date: Mon, 12 Sep 2011 19:58:48 -0400  
To: Titus Awokuse <kuse@udel.edu>  
Subject: Permission to list courses

Titus,

The Department of Entomology and Wildlife Ecology is proposing a revision to our Wildlife Conservation major. Part of this revision is updating several of the groups required by the major. We would like to list FREC 100 and FREC 406 part of our Group III along with 11 other courses. Students only have to complete one course from this group. Most of our student have been taking FREC100 the last few years so I don’t expect additional pressure on these courses. Is this listing acceptable to your department?

Sincerely,

Jake

_____________________________________________
Jacob L. Bowman, Ph.D.  
Associate Professor Wildlife Ecology  
245 Townsend Hall  
Department of Entomology and Wildlife Ecology  
University of Delaware
From: Tracy Deliberty <tracyd@UDel.Edu>
Sent: Wednesday, September 21, 2011 8:59 AM
To: Jacob L. Bowman
Subject: Re: Permission to list course

Jacob,

That is just fine with Geography. We will offer Geog235 once a year at a minimum, if not each semester. Let me know if you require additional info. Tracy DeLiberty

On Mon, Sep 12, 2011 at 8:03 PM, Jacob L. Bowman <jlbowman@udel.edu> wrote:

Dr. DeLiberty,

The Department of Entomology and Wildlife Ecology is proposing a revision to our Wildlife Conservation major. Part of this revision is updating several of the groups required by the major. We would like to list GEOG 235 as part of our Group III along with 11 other courses. Students only have to complete one course from this group, so I don’t expect much pressure on this course. Is this listing acceptable to your department?

Sincerely,

Jake

_____________________________________________

Jacob L. Bowman, Ph.D.
Associate Professor Wildlife Ecology
245 Townsend Hall
Department of Entomology and Wildlife Ecology
University of Delaware
Newark, DE 19716-2160

Office: (302) 831-4621

Fax: (302) 831-8889

Email: jlbowman@udel.edu
From: Blake Meyers <meyers@dbi.udel.edu>
Sent: Monday, September 12, 2011 8:30 PM
To: Jacob L. Bowman
Cc: Dave Frey
Subject: Re: Permission to list a course

Jake,
This sounds fine to me - while the content is a bit different, I don't see why PLSC201 shouldn't also suffice.

best wishes,
Blake

From: "Jacob L. Bowman" <jlbowman@udel.edu>
To: MEYERS@DBI.UDEL.EDU
Cc: "Dave Frey" <dfrey@udel.edu>
Sent: Monday, September 12, 2011 8:11:50 PM
Subject: Permission to list a course

Blake,

The Department of Entomology and Wildlife Ecology is proposing a revision to our Wildlife Conservation major. Part of this revision is updating courses. Our current curriculum permits PLSC 101 for our botany requirement. We would like to change this requirement to PLSC 101 or PLSC 201. We think this change would allow our student greater flexibility in fulfilling their botany requirement. I have discussed this change with Dave Frey so I copied him in case he has anything to add. Is this listing acceptable to your department?

Sincerely,

Jake

_____________________________________________
Jacob L. Bowman, Ph.D.
Associate Professor Wildlife Ecology
245 Townsend Hall
Department of Entomology and Wildlife Ecology
University of Delaware
Newark, DE 19716-2160
Office: (302) 831-4621
Fax: (302) 831-8889
Email: jlbowman@udel.edu
Jake, no problem with the LEAD course. However, ENEP is not in the School, they are in the College of Engineering. Please contact John Byrne for the ENDP courses.
Best wishes, Maria

Maria P. Aristigueta
Professor and Director
School of Public Policy and Administration
University of Delaware
(302) 831-4570
http://www.udel.edu/suapp/
http://www.ipa.udel.edu/directory/homepages/aristigueta.html

Hi Maria,
Yes, Wildlife Conservation majors can have access to LEAD 209.
Audrey

On Sep 13, 2011, at 8:55 AM, Aristigueta, Maria P. wrote:
Are you ok with this?

Dr. Aristigueta,

The Department of Entomology and Wildlife Ecology is proposing a revision to our Wildlife Conservation major. Part of this revision is updating several of the groups required by the major. We would like to list LEAD 209 as part of our Group II along with 11 other courses. Student have to complete 3 courses from this group and we have been allowing LEAD 209 as a substitute for several year. I anticipate less than 5
requests per year. We would also like to list ENEP 410 and 426 as part of our Group III along with 11 other courses. Students only have to complete one course from this group. Because of the number of courses offered in this group, I don’t expect large requests for any one course in this group. Is this listing acceptable to your department?

Sincerely,

Jake

_____________________________________________
Jacob L. Bowman, Ph.D.
Associate Professor Wildlife Ecology
245 Townsend Hall
Department of Entomology and Wildlife Ecology
University of Delaware
Newark, DE 19716-2160
Office: (302) 831-4621
Fax: (302) 831-8889
Email: jlbowman@udel.edu

_____________________________________________